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18. SUPPLEMENTARY NOTES	
Marine Climatology, Coastal Marine Summary, Tables Conakry, Monrovia, Ivory Coast, Accra, Gulf of Gu	s, African West Coast,
This report presents marine climatological data for in 21 different tables including weather occurrence speed, cloud amount, ceiling height, visibility, relative humidity, air-sea temperature difference sea surface temperature and sea level pressure.	or specific coastal areas ce, wind direction and precipitation, dry bulb,

SYNOPTIC METEOROLOGICAL OBSERVATIONS SUMMARY OF (SSMO)

WEST AFRICAN AND SELECTED ISLAND COASTAL MARINE AREAS

YOLUME 1,

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AREA 2, MADEIRA ISLANDS

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AREA 3. CASABLANCA SW AREA 4. CANARY ISLANDS.

AREA 5. CENTRAL SPANISH SAHARA AREA 6. CAPE BLANC. AREA 7. CAPE YERDE ISLANDS. AREA 8, DAKAR.





THE NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, N.C. PREPARED BY

Approved for public Distribution Unline

THE DIRECTOR, NAVAL OCEANOGRAPHY AND METEOROLOGY

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The SSMO series of coastal marine summaries is managed and produced by the Naval Weather Service Detachment, Asheville, N. C. for the Director, Naval Oceanography and Meteorology. A list of published SSMO's is contained in the catalogue part of the "Guide to Standard Weather Summaries and Climatic Services", NAVAIR 50-1C-534.

The data summarized in the following tables were obtained from Tape Data Family 11 (TDF-11) Marine Surface Observations. The development and maintenance of TDF-11 was primarily funded by the Naval Weather Service Command. The source of these marine surface observations was punched cards of weather observations taken aboard vessels of varying registry. These observations were recorded on magnetic tape in a common format. Elements not in WMO code were converted to this code where possible. Where this was not possible, the original data were retained within the tape record as supplemental data. A very limited quality control was attempted as the punched cards were converted to taped records and, where possible, missing psychrometric data were computed.

Before the tables are prepared, extreme values of selected parameters are scrutinized so that obvious errors can be excluded. This method is necessarily subjective since the only available record of many observations is the punched card from which the tape records were prepared. Frequently there

is no concrete evidence to prove or disprove the validity of questionable data.

Also, it should be noted that these data are based upon observations made by ships in passage. Such ships tend to avoid bad weather when possible, thus biasing the data file toward good weather samples.

Because the number of observations may vary from one table to the other, no absolute relationship exists between the tables. As an example, air temperature counts for Tables 13 and 17 may not be identical since only observations containing both air temperature and relative humidity were counted in Table 13 and only those with both temperature and air-sea temperature difference were counted in Table 17. No requirement for simultaneous recording of all elements was made.

The primary period of record is that period (extending back in time from the most recent data) during which eighty percent of the total number of observations were recorded. The overall period is the earliest to the latest observed data used in compiling the tables. Tables 18 and 19 were tabulated from selected decks only and the overall period indicates the period of record of this data source. The primary period for these tables is not shown.

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THE TABLES

Percentage frequencies are computed to hundredths and rounded to tenths. An asterisk (*) indicates percentage frequency > 0 and < .05. A value followed by a plus sign indicates greater than or equal to that value (8+ means 8 or greater). NH = low cloud amount (or middle cloud amount when low clouds are not present). The hours given in this publication are GMT.

The geographic position shown on the tables is the central position (centroid) of the observations within the area.

This value may fall outside irregular areas.

Annual values are computed on the basis of the sum of the monthlies divided by the number of months.

Tables 1 through 19 appear in numerical order for each month, with the annual tables appearing after the tables for December. Tables 20 and 21 appear at the end of the entire series, after the annual summary for Table 19. The series of summaries appear in numerical order by area number.

Table 1 - Percentage Frequency of Weather Occurrence by Wind Direction (8 pts.).

Table 2 - Percentage Frequency of Weather Occurrence by Hour (GMT).

Table 3 - Percentage Frequency of Wind Direction (8 pts.) by Speed and by Hour (GMT). This table includes mean wind speed (kts.) by direction (8 pts.).

Table 3A - Percentage Frequency of Wind Direction (8 pts.) by Speed and by Hour (GMT). This table includes mean wind speed (kts.) by direction.

Table 4 - Percentage Frequency of Wind Speed by Hour (GMT). This table includes mean speed by hour.

<u>Table 5</u> - Percentage Frequency of Total Cloud Amount (Oktas) by Wind Direction (8 pts.). This table includes mean cloud amount by wind direction.

Table 6 - Percentage Frequency of Ceiling Heights (feet, NH > 4/8) and Occurrence of NH <5/8 by Wind Direction (8 pts.).

Table 7 - Cumulative Percentage Frequency of Occurrence of Ceiling Height (feet, NH > 4/8) and Visibility (Naurical Miles).

Table 7A - Percentage Frequency of Low Cloud Amount (or Middle Cloud Amount if Low Clouds are not present). and Percentage Frequency of Sky Obscured. Amounts are in Oktas.

Table 8 - Percentage Frequency of Wind Direction (8 pts.) vs. Occurrence or Non-Occurrence of Precipitation at Observation Time with Varying Values of Visibility (Nautical Miles).

Table 9 - Percentage Frequency of Wind Direction (8 pts.) vs. Wind Speed (kts.) with Varying Values of Visibility (Nautical Miles).

Table 10 - Percentage Frequency of Ceiling Heights (feet, NH > 4/8) and Occurrence of NH <5/8 by Hour (GMT).

Table 11 - Percentage Frequency of Visibility (Nautical Miles) by Hour (GMT).

Table 12 - Cumulative Percentage Frequency of Ranges of Visibility (Nautical Miles) and Ceiling Height (feet, NH > 4/8) by Hour (GMT).

Table 13 - Percentage Frequency of Relative Humidity (%) by Air Temperature (* F.).

Table 14 - Percentage Frequency of Wind Direction (8 pts.) by Air Temperature (° F.).

Table 15 - Means, Extremes, and Percentiles of Air Temperature (° F.) by Hour (GMT). Extreme temperatures are the one maximum and one minimum value appearing in the marine data file. The Extremes may be unrepresentative due to sampling errors. Extrapolation from the percentile values usually gives a better estimate of expected extreme conditions.

Table 16 - Percentage Frequency of Relative Humidity (%) by Hour (GMT).

Table 17 - Percentage Frequency of Air Temperature (°F.) and the Occurrence of Fog vs. Air-Sea Temperature Difference (°F.).

Air-Sea Temperature Difference is:

Positive when the air is warmer than the sea surface; Negative when the air is cooler than the sea surface. In the table heading, the limits of the temperature ranges appear in a vertical arrangement along the top of the table.

Table 18 - Percentage Frequency of Surface Wind Speed (kts.) and Direction (8 pts.) vs. Sea Height (feet). Source deck 128 for which data are available from mid-1963 was used for these tables. This deck represents the latest and most complete homogeneous source of wave data available. Here, only sea waves generated by local winds in the vicinity of the observer are summarized.

Table 19 - Percentage Frequency of Wave Height (feet) vs. Wave Period (seconds). In this table when both sea and swell waves are present in an observation, the higher of the two is used. If both are the same height, the longer period is chosen. When only one of the wave groups is observed, either sea or swell, it is used in the summary. Swell waves are those generated by winds distant from the local area where the observation is taken.

Tables 1-19 appear together for each month and in the annual summary. The following two tables appear at the end of the entire series for each area.

Note:

<u>Table 20</u> - Monthly and Annual Percentage Frequencies and Means of Sea Surface Temperature (° F.).

Table 21 - Monthly and Annual Sea Level Pressures (millibars). This table includes means by hour and for all hours, extreme values and percentile values.

GMT are combined with data from 03 GMT. In this volume, percentage frequencies at specified hours of the day refer to percentages of observations taken at those hours, rather than percentages of observations taken at all hours. Data at adjacent hours are summarized with data at synoptic hours, i.e., data from 02 and 04

CONTENTS

00	7	6	ڻ ت	4	ဆ	2	1	AREA
Dakar	Cape Verde Islands	Cape Blanc	Central Spanish Sahara	Canary Islands	Casablanca SW	Madeira Islands	Azores	NAME
554-632	475-553	396-474	317-395	238-316	159-237	80-158	1-79	PAGES

(NTIS), Springfield, Virginia 22161. Copies of this document are obtainable from the National Technical Information Service

DIRECTION AND WEATHER CODES

A reduced bias system was employed in converting wind and wave directions to 8 points. This method attaches weighting values to observations which overlap two different 8 point sectors and treats them as "decimal observation counts," These decimal quantities are rounded to whole numbers for presentation as "observational counts," in the tables, Figures 1-4 below show the 8 point system with other systems anner monad Fig 3. The 32 point direction system superimposed on the 8 point system. Fig 1. The 8 point direction system. CONVERSION OF WIND AND WAVE DIRECTION TO 8 POINTS Bposed, Because of rounding, sub-total sums of "observation counts" may not equal grand totals. Fig 2. The 16 point direction system superimposed on the 8 point system. Fig 4. The 36 point direction system superimposed on the 8 point system.

e+ 050,	NOTE: <	99	98	97	96	95	94	90-93	CODE
greater than or equal to.	<pre><means less="" than;="">means greater than; <means equal="" less="" or="" than="" to:="">means</means></means></pre>	VV≥25	10≤٧٧<25	5 <u><</u> v ∨<10	2≤√√5	1 <u><</u> yv<2	1/2≤₩<1	VV<1/2	VISIBILITY (VV) INTERPRETATION (NAUTICAL MILES)
NOTE: The following WMO codes were counted in two weather categories. 58-59 (rain and drizzle); 68-69 (rain and snow); 93-94 (rain and hail); 96 and 99 (hail and thunder/lightning/thunderstorm); 95 and 97 (snow and thunder/lightning/thunderstorm), or (rain and thunder/lightning/thunderstorm).	13,17) THUNDER 19,29 LIGHTNING 95-99) THUNDERSTORM	87-90) 93-94} 96,99	76-79 OTHER FROZEN PRECIPITATION	70-75,85-86 (68-65,83-84, 95,97 IF TEMP 440°F) SNOW	56-57 FREEZING 66-67 PRECIPITATION	IF TEMP >40°F) RAIN SHOWERS 50-55,58-59 DRIZZLE	(68-69,95,97 IF TEMP > 40°F)	58-59 60-65 91-94 RAIN	PRESENT WEATHER (1960 WMO CODE 4677) CODE INTERPRETATION CODE INTERPRETA
were con- -59 (rai) 93-94 (rander/light) and thun and thun	20-27		00-49}	00-03 14-16 18	30-39	04-05	28	10-12	CODE
rain and drizzle); I (rain and hail); I (rain and hail); I (phining/thunder- thunder/lightning/ thunder/lightning/		AT OB TIME PRECIPITATION	NO	NO SIGNIFICANT WEATHER AT OB TIME	BLOWING DUST	SMOKE HAZE	FOG (WITHOUT PRECIPITATION) PAST HOUR	FOG (WITHOUT PRECIPITATION)	CODE 4677) INTERPRETATION

WAVE HEIGHT (from source decks 128 and 116)

	===	08	07	06	05	04	03	02	00	RECORDED CODE (HALF METERS)
	>4.75 to 5.25 >5.25 to 5.75	>3.75 to 4.25 >4.25 to 4.75	>3.25 to 3.75)	>2.75 to 3.25}	>2.25 to 2.75}	>1.75 to 2.25)	>1.25 to 1.75}	>.75 to 1.25	≤.25} >.25 to .75}	RANGE (METERS)
	17-19	13-16	12	10-11	8-9	7	5-6	3-4	1-2	AS RECORDED IN TABULATION (FEET)
		27 28 29		223		19	16 17 18	14 15	12	RECORD ED CODE (HALF METERS)
		>13.25 to 13.75 >13.75 to 14.25 >14.25 to 14.75	to	>11.25 to 11.75 >11.75 to 12.25	t t t	>9.25 to 9.75)	>7.75 to 8.25 >8.25 to 8.75 >8.75 to 9.25	>6.75 to 7.25 >7.25 to 7.75	>5.75 to 6.25 >6.25 to 6.75	RANGE (METERS)
		41-48		0.1-00			26-32	23-25	20-22	AS RECORDED IN TABULATION (FEET)
Indete	53-99	49 50 52		44 44 45			37 38	34 36		RECORDED CODE (HALF METERS)
Indeterminate=INDET	>26.25 to 49.75}	> 24.25 to 24.75 > 24.75 to 25.25 > 25.25 to 25.75 > 25.75 to 26.25	75 to 25 to 75 to	>21.25 to 21.75 >21.75 to 22.25 >22.25 to 22.75	>20.75 to 21.25	25 to 75 to		to	>14.75 to 15.25 >15.25 to 15.75 >15.75 to 16.25 >16.25 to 16.75	RANGE (MET ERS)
	5} ≥87		71-86			61-70			49-60	AS RECORDED IN TABULATION (FEET)

PERIOC: (PRIMARY) 1928-1973 (OVER-ALL) 1857-1973

TABLE 1

AREA 0001 AZORES 37.9N 26.6W

PERCENT	FREGUENCY	DE	WEATHER	DECURRENCE	RY	WIND	DIRECTION	

				12.50	ENCEN	LAEDO	SEUC.	IL MENINER	DECONNENCE		NO UIN	ECTION			
			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHENO	MENA	
WND DIR	RAIH	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT	PCPN PAST	THOR	FOG WO PCPN	FOG WU PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	
N NE	4.7	2.2	2.7	:0	.0	.0	:0	9.2	7.8	:0	:3	:0	:3	:7	81.6
E	6.6	3.3	2.7	.0	.0	.0	.0	12.5	5.2	.0	.8	.0	.0	.0	81.4
SE	5.5	3.1	5.3	.0	.0	.0	.0	10.1	5.2	:1	2.9	.0	2.1		75.4
SW	5.3	4.4	4.0	.0	.0		.2	13.2	5.0	1.0	1.1	.0	1.1	.0	78.8
NW NW	2.9	2.3	3.2	.0	.0	.0	.0	6.1	7.0	1.0	.2	.0	.5		82.2
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	•0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	2953	3.3	3.4	.0	.0	.0		10.7	5,9	.6	1.1	.0	.9	.1	80.8

TABLE ?

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			P	RECIPI	TATIO	TYPE					DTHER	WEATHER	PHEND	MENA		
HOUR (GHT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRA BLWG C	DUST	NO SIG WEA
00603 06609 12615 18621	3.5 5.2 4.6 3.8	2.7 3.3 3.1 3.9	3.5 4.2 2.8 2.8	.0	.0	•0	.0 .0 .1	9.6 12.3 10.1 10.3	6.2 4.2 6.4 6.5	1.2	1.2 .9 1.8	.0	1.6			81.8 79.4 81.9 80.9
TOT PCT	4.3	3.3	3.3	.0	.0	•0	•	10.6	5.8	.7	1.1	.0	.9		.1	81.0

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		wI	ND SPE	ED (KN	DTS)								HOUR	(GMT)				
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	FREQ	SPD	00	03	06	09	12	15	18	21	
N NE	.4	2.5	2.6	1.5	:3	.1		7.5	16.1	8.0	8.4	7.7	4.3	8.1	8.0			
E	.3	2.5	2.9	1.2	.3	.0		7.2	15.1	5.3	7.3		8.7	6.9	9.6	7.3		
SE	.2	3.4	4.0	1.5	.4			9.6	15.3	9.0	9.5		13.7	9.8				
S	.5	4.5	6.5	4.1	.8			16.5	17.0	16.6	12.7	16.1	20.7	16.1	17.4	17.0	15.1	
SW	.4	5.3	8.8	5.3	.9			20.8	17.2	21.1	23.8			20.7	19.6			
W	.4	4.1	7.9	4.5	1.2	• 1		18.2	18.2	20.4	16.6	18.2	16.3	19.4	14.8	19.6	15.1	
NW	.2	3.9	4.9	2.9	.7	.1		12.7	17.0	12.3	12.6	13.1	11.0	12.8	11.0	14.5	11.6	
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	1.2							1.2	.0	1.9	2.0	1.3	.9	.5	.6	1.2		
TOT OBS	169	1280	1801	991	228	1.9	4488		16.6	657	304	901	326	728	354	881		
TOT PCT	3.8	28.5	40.1	22.1	5.1	.4		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TARLE 34

WND DIR	0-6			(KNOTS) 28-40	41+	TOTAL	PCT	MEAN SPO	00		12 15	18 21
N NE	1.4	2.6	2.5	:7	:2		7.5	16.1	8.1	6.8	8.1	7.2
E	1.4	3.1	2.0	.7	.1		7.2	14.9	5.9		7.8	8.1
SE	1.5	4.4	2.7	.8	.1		9.6	15.3	9.2	9.3	11.0	8.8
S	2.3	6.3	5.5	2.2	.2		16.5	17.0	15.4	17.3	16.6	16.5
SW	2.3	8.1	7.4	2.8	.2		20.8	17.2	21.9	21.9	20.3	19.2
W	1.8	7.0	6.4	2.5	.5		18.2	18.2	19.2	17.7	17.9	18.3
NW	1.5	5.6	3.9	1.5	.3		12.7	17.0	12.4	12.5	12.2	13.7
VAR	.0	.0	.0	.0	.0		.0	0	.0	.0	.0	.0
CALM	1.2						1.2	.0	1.7	1.2	.6	1.6
TOT DBS	645	1791	1437	541	74	4488		16.6	961	1227	1082	1218
TOT PCT	14.4	39.9	32.0	12.1	1.6		100.0		100.0	100.0	100.0	100.0

PERIOD: (PRIMARY) 1928-1973 (OVER-ALL) 1857-1973

TABLE 4

AREA 0001 AZORES 37.9N 26.6W

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

				WIND	SPEED (KNOTSI			PCT	TOTAL
HOUR	CALM	1-3	4-10	11-21	22-33	34-47	48+	MEAN	FREQ	085
60300	1.7	1.6	29.0	42.1	20.7	4.5	.4	16.3	100.0	961
90300	1.2	2.8	30.6	40.3	19.4	5.1	.6	16.1	100.0	1227
12615	.6	3.2	27.9	40.3	23.3	4.3	.5	16.8	100.0	1082
18621	1.0	2.4	26.5	38.3	24.8	6.2	.2	17.0	100.0	1218
TOT	56	113	1280	1801	991	228	19	16.6		4488
PCT	1.2	2.5	28.5	40.1	22.1	5.1	4		100.0	

TABLE 5

TARIE A

													CONTRACTOR OF					
•	CT FRE			LOUD A		(EIGHTHS)			PERCEN	TAGE F	REQUEN	CY OF	CEILIN NH <5/	G HEIG	HTS (F	T,NH ;	4/8) 3N	
WND DIR	0-2	3-4	5-7	8 6	TOTAL	COVER	000 149	150 299	300 599	999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL
N	.9	2.1	3.0	1.5		5.1			.1	.6	1.7	.9	.3	.1			3.8	
NE	.6	1.4	2.6	1.7		5.6			.3	.6	1.0	.7	.4	.1	.0	.1	2.9	
E	.6	1.8	1.7	2.3		5.6	.0	.0	.3	.7	1.1	.7	.3	.1			3.1	
SE	1.4	1.0	2.9	2.7		5.7	.1		.3	1.1	1.6	.9	.5	.1			3.4	
5	2.0	2.2	6.2	6.2		5.9	.1	.3	. 8	2.8	3.2	1.5	.7	.1	.0	.1	7.1	
SW	2.9	2.7	6.5	7.0		5.7	.1	.1	. 8	3.0	3.9	1.4	.4	.1	.1	.2	9.1	
	4.2	4.9	6.4	5.4		5.0	.1	.1	.5	2.6	3.4	1.6	.5	.3	.1	.2	11.6	
NW	2.1	3.7	5.6	3.0		5.1	.1	.0	.2	1.3	3.0	1.6	.4	.2	.0		7.5	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.3	.2	.3	.1		3.9	.0	.0	.0		.0	.0	.0		.0		.7	
TOT DBS	346	461	808	686	2301	5.4	13	14	73	293	435	213	81	24	6	18	1131	2301
TOT PCT	15.0	20.0	35.1	29.8	100.0		.6	.6	3.2	12.7	18.9	9.3	3.5	1.0	.3	.8	49.2	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

				VSBY (NH	1)			
CEILING	- OR	. DR	. DR	. DR	. DR	• OR	. DR	- DR
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
- DR >6500	.9	1.1	1.1	1.1	1.1	1.1	1.1	1.1
■ DR >5000	1.8	2.1	2.1	2.1	2.1	2.1	2.1	2.1
■ DR >3500	4.5	5.0	5.7	5.7	5.7	5.7	5.7	5.7
■ DR >2000	11.8	14.6	14.9	14.9	14.9	14.9	14.9	14.9
■ Dg >1000	24.9	33.0	33.8	33.9	33.9	33.9	33.9	33.9
# DR >600	32.0	44.4	46.4	46.5	46.6	46.6	46.6	46.6
. OR >300	32.9	46.9	49.4	49.7	49.7	49.7	49.8	49.8
= OR >150	33.0	47.3	50.0	50.3	50.3	50.3	50.4	50.4
. DR > 0	33,3	47.7	50.5	50.8	50.8	50.8	51.0	51.0
TOTAL	772	1107	1170	1178	1170	1170	1102	1100

TOTAL NUMBER OF OBS: 2319

PCT FREQ NH <5/8: 49.0

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 085CD OBS 5.3 8.1 10.7 12.6 11.5 8.5 11.2 9.7 22.2 .2 2491

1	Δ	N	u	Δ	R	¥

									HONK.						
PERIOD: (PRIM		928-1973 857-1973						74	BLE 8				ARE	A 0001 A	ZORES 9N 26.6W
			P	EKCENT						URRENC				E DF	
	VSBY (NH)		N	NE	F	SE	5	SW		NW	VAR	CALM	PCT	TOTAL	
	<1/2	PCP NO PCP TOT %	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.1		
	1/2<1	PCP NO PCP TOT \$.0	.0	.0	.0	.0	:1	.0	.0	.0	.0	.1		
	1<2	PCP NO PCP TOT %	.0	.0	.0	.0	.2	.2	·1	.0	.0	.0	.4		
	2<5	PCP NO PCP TOT %	.1	•	.3	.2	.7 .5 1.2	.4	.3 .4 .7	.1	.0	.0	1.9 2.1 4.1		
	5<10	PCP NO PCP TOT \$.3	.3 .7 1.0	.5 1.7 2.3	2.0	4.3	1.6	1.1 3.3 4.4	1.8	.0	.0	5.6 18.7 24.3		
	10+	PCP NO PCP TOT %	.3 5.6 5.9	4.3	4.0	5.5 5.7	10.1	13.0 13.4	14.2 14.7	.3 10.3 10.5	.0	.0	2.6 67.8 70.4		
		TOT DBS	7.2	5.7	7.0	8.6	17.4	20.2	19.9	13.0	.0	. 8	100.0	2949	

TABLE 9

				PERCEN	T FREG	ARYING	ND DIE	S OF	ISIBIL	ITY	ED		
VSBY (NM)	SPD	N	NE	E	SE	s	SW		NW	VAR	CALM	PCT	TOTAL
	0-3	.0	.0	.0		.0	.0	.0	.0	.0	.0		
<1/2	4-10	.0	.1	.0		.0	.0	.0	.0	.0	-	.1	
	11-21	.0	.0	.0		.0	.0		.0	.0		.1	
	22+	.0	.0	.0		.1		.0	.0	.0		.1	
	TOT %	.0	.1	.0	.1	.1			.0	.0	.0	.3	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	4-10	.0	.0	*	.0	*			.0	.0		.1	
	11-21	.0	.0			.1	*	*	.0	.0		.2	
	22+	.0	.0	.0	*	.1	.1	.0	*	.0		.2	
	TOT %	.0	.0	.1		• 2	.1	.1		.0	.0	.5	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	4-10	.0	*		*		*	.0	*	.0		.1	
	11-21			.0	.0			.1	.1	.0		.2	
	22+		*	.1	*	.1	.2	.1	.0	.0		.6	
	TOT %		.1	.1		.2	. 3	.2	.1	.0	.0	1.0	
	0-3	.0	.0		.0	.0	.0	.0		.0		:1	
2<5	4-10	.1	.1	.1	.1	.1	.1	.1	.1	.0			
	11-21	.1		.2	.2	.4	.4	.2	.1	.0		1.6	
	22+	.1		.2	.2	.6	.7	:4	.1	.0		2.4	
	TOT %	.2	.1	.5	.5	1.1	1.2	.8	.3	.0	*	4.8	
	0-3	.0					.1		.0	.0	.1	.3	
5<10	4-10	.3	.4	.5	.5	.8	.9	.5	.5	.0		4.5	
	11-21	.4	.4	1.0	.8	1.8	2.5	1.7	.7	.0		9.3	
	22+	.5	.4	.8	. 8	2.0	2.3	2.1	1.0	.0		9.8	
	TOT %	1.2	1.2	2.3	2.2	4.7	5.8	4.3	2.2	.0	.1	24.0	
	0-3	.4	1	3	.1	.4	.3	.4	.1	.0	1.0		
10+	4-10	2.1	1.8	1.9	2.5	3.6	4.1	3.2	3.0	.0		22.3	
	11-21	2.2	2.0	1.5	2.7	4.2	6.1	6.5	4.4	.0		29.6	
	22+	1.1	7	.6	.6	2.2	2.9	3.7	2.6	.0		14.6	
	TOT %	5.7	4.6	4.3	6.0	10.5	13.4	13.8	10.2	.0	1.0	69.5	
	TOT DBS												3627
	TOT PCT	7.2	6.1	7.3	8.8	16.7	20.8	19.2	12.8	.0	1.2	100.0	

PERIOD: (PRIMARY) 1928-1973 (UVER-ALL) 1857-1973

TABLE 10

AREA 0001 AZORES 37.9N 26.6W

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000	150 299	300 599	999	1999	2000 3499	3500 4999	5000	6500	8000+	TOTAL	NH 45/8 ANY HGT	TOTAL	
00603	.4	.4	2.7	10.8	18.4	7.7	3.5	1.3	.0	1.1	46.2	53.8	548	
90360	.7	.7	2.8	12.4	19.7	7.6	2.0	.7	.2	.9	47.8	52.2	563	
12615	.7	.3	2.6	13.2	17.0	10.2	3.8	.9	.6	.9	50.2	49.8	697	
18621	.3	1.2	4.1	12.6	19.3	10.1	4.8	1.2	.3	.2	54.1	45.9	586	
TOT	13	15	73	294	442	214	84	24	7	18	1184	1200	2384	

TABLE 11

TABLE 12

								CHMIN AT	. VE P.1		-	ICES OF	VSBY (NM)	AND/DE	
		PERCENT	FREQUEN	ICY VSB	Y (NM)	BY HOUR		COHOLA	CEILIN	G HGT	(FEET,	NH >4/8	1.8Y HOUR	AND/ UK	
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL	
00603	.2	.1	.6	3.7	20.5	74.9	816	F0300	.4	3.6	16.1	32.6	51.2	527	
90360	•2	.1	1.3	4.0	26.1	68.3	957	90330	.7	4.4	18.3	31.5	50.2	542	
12615	.5	.4	.8	4.4	22.4	71.3	945	12815	.7	3.9	18.4	32.9	48.7	675	
18621	.3	1.2	1.2	6.6	26.8	64.0	952	18621	.3	5.9	20.5	34.8	44.7	575	
TOT PCT	12	17	36	173	884	2548	3670 100.0	TOT	13	103	426	765 33.0	1128	2319	

TARIF 13

TARLE 1

				,	MOLE I	2									IADL	E 14				
	PERC	ENT FR	EQUENC	Y OF R	ELATIV	E HUMI	DITY 8	Y TEMP	TOTAL	PCT		PERC	ENT FR	EQUEN	Y OF	IND DI	RECTIO	N BY 1	EMP	
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100		FREQ	N	NE	E	SE	S	SW	W	NW	VAR	CALM
75/79	.0	.0	.0	.1	.0	.0	.0	.0	2	.1	.0	.0	.0	*	.0	.0		.0	.0	.0
70/74	.0	.0	.0	.0		.2	.0	.0	5	.2		.0	.0		.0	.1	.1		.0	.0
65/69	.0	.0	.0		.7	1.7	3.2	2.5	214	8.6	.2	.1	.3	.9	2.4	2.5	1.6	.5	.0	.0
60/64	.0	.0	.1	1.6	5.8	11.8	21.5	16.3	1425	57.2	2.4	2.0	4.3	5.7	11.6	14.2	11.4	4.9	.0	.5
55/59	.0	.0	.2	2.1	6.3	9.1	8.3	4.9	770	30.9	3.7	3.4	2.2	1.5	2.8	3.7	6.6	6.7	.0	.3
50/54	.0	.0	.1	.2	.4	1.0	1.1	.2	74	3.0	.8	.3			.0	.1	. 8	.8	.0	.0
45/49	.0	.0	.0	.0	.0				3	.1	.1		.0	.0	.0	.0			.0	.0
TOTAL	0	0	9	109		596	852	596	2493	100.0									11 10	
PCT	.0	.0	.4	275.0	13.3	23.9	34.2		1 - 1 1		7.3	5.8	6.8	8.3	16.8	20.6	20.6	13.0	.0	.8

TABLE 15

MEANS, EXTREMES AND PERCENTILES UP TEMP (DEG F) AY HOUR

HOUR	MAX	99%	95%	50%	5%	1*	MIN	MEAN	TOTAL
(GMT)									OBS
00803	68	66	64	60	55	52	49	59.9	947
90300	70	66	64	60	55	52	50	60.0	1221
12615	77	69	66	62	56	52	49	61.4	1067
18621	72	68	65	61	55	51	49	60.9	1202
TOT	77	68	65	61	55	52	49	60.6	4437

	PERC	ENT FRE	QUENCY	OF RELA	TIVE H	UMIDITY	BY HOUR	
HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
00603	.0	3.9	12.4	24.2	32.7	26.8	82	590
06609	.0	3.4	11.9	23.1	37.8	23.9	82	641
12615	.0	6.1	13.6	24.3	33.3	22.8	80	676
18621	.0	5.3	14.9	24.4	33.0	22.3	80	618
TOT	0	119	333	606	864	603	81	2525

PERIOD: (PRIMARY) 1928-1973 (OVER-ALL) 1857-1973

TABLE 17

AREA 0001 AZORES 37.9N 26.6M

AIR-SEA	49	53	57	61	65	69	73	77	TOT		WU	
THP DIF	52	56	60	64	68	72	76	80		FOG	FDG	
11/13	.0	.0	.0		.0	.1			6	.0	.2	
9/10	.0	.0	.0	.1	.0		.0	.0	3	.0	.1	
7/8	.0	.0	.0	.1	.4	.3	.0	.0	21	.0	.8	
6	.0	.0	.1	.3	.4	.0	.0	.0	23	.0	.9	
5	.0	.0		.5	.8	.0	.0	.0	36	.0	1.3	
4	.0	.0	.4	1.3	1.0	.1	.0	.0	77	.0	2.9	
3	.0		.2	3.1	1.6	.0	.0	.0	131	.1	4.8	
2	.0	.0	1.0	6.5	1.2	.0	.0	.0	235		8.7	
1	.0		1.6	9.8	1.2	.0	.0	.0	338	.2	12.4	
0	.0	.1	4.7	9.7	.7	.0	.0	.0	407	.3	14.9	
-1	.0	.3	6.6	6.3	.2	.0	.0	.0	361	.2	13.2	
-2	.0	.4	7.3	4.1	.1	.0	.0	.0	318	.2	11.7	
-3	.0	.7	5.8	1.3	.0	.0	.0	.0	211	.1	7.8	
-4	.0	1.3	4.1	1.2	.0	.0	.0	.0	175	.0	6.5	
-5		1.4	2.6	.5	.0	.0	.0	.0	124	.0	4.6	
-6	.1	1.6	1.5	.2	.0	.0	.0	.0	91	.0	3.4	
-7/-A	.2	1.8	1.0			.0	.0	.0	82	.0	3.1	
-9/-10	.4	.6	.1	.0	.0	.0	.0	.0	29	.0	1.1	
-11/-13	.1	.3		.0	.0	.0	.0	.0	13	.0	.5	
-14/-16	.1	.0	.0	.0	.0	.0	.0	.0	2	.0	.1	
TOTAL	25		995		208		1			29	2654	
		231		1207		15		1	2683			
PCT	.9	8.6	37.1	45.0	7.8	.6			100.0	1.1	98.9	

PERIOD: (OVER-ALL) 1963-1973

				PC	T FREQ	OF WIND	SPFED	(KTS) AN	D DIRE	CTION V	ERSUS S	EA HEIG	HTS (FT		
				N								NE			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.2	.0	.0	.0	.0	.4			.2	.0	.0	.0	.0	.2
1-2	.1	.6	.2	.0	.0	.0	.9		.0	:2	.2	.0	.0	.0	.9
3-4	.0	.4	.4	.2	.0	.0	1.1		.0	.4	. 8		.0	.0	1.2
5-6	.0	.1	.7	.7	.0	.0	1.5		.0	.0	.5	.2	.0	.0	.6
7	.0	.0	.4	.2	.0	.0	.7		.0	.0	.4	.2	.1	.0	.7
8-9	.0	.0	.2	.1	.0	.0	.4		.0	.0	.1	.2	.1	.0	.4
10-11	.0	.0	.0	.0	.0	.0	.0		.0	.0	.1	.2	.0	.0	.3
12	.0	.0	.0	.2	.0	.0	.2		.0	.0	.0	.1	.0	.0	.1
13-16	.0	.0	.0	2	.2	.0	.4		.0	.0	.0	.1	. 4	.0	.6
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.1	.0	.0	.1		.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	1.3	2.1	1.7	•2	.0	5.6		*	1.3	2.1	1.0	.6	•0	5.1
				E											
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	.2	.0	.0	.0	.0	.5			.4	.0	.0	.0	.0	.4
1-2	.0	.5	.4	.0	.0	.0	:7		.0	1.1	.7	.0	.0	.0	1.8
3-4	.0	.2	.5	.1	.0	.0	.7		.0	.5	.9		.0	.0	1.4
5-6	.0	.0	.4	.3	.0	.0	.7		.0	.3	.9	.5	.0	.0	1.8
7	.0	.0	.4	.3	.1	.0			.0	.0	.8	.2	.1	.0	1.1
8-9	.0	.0	.1	.6	.2	.0	.9		.0	0	.0	.2	.0	.0	.2
10-11	.0	.0	.0	.4	.1	.0			.0	.0	.0	.1	.1	.0	.2
12	.0	.0	.0	.2	.0	.0	.2		.0	.0	.0		.0	.0	
13-16	.0	.0	.0	.1	.0	.0	.1		.0	.0	.0	.1	.0	.0	.1
17-19	.0	.0	.0	.0	.1	.0	.1		.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	.9	1.8	1.9	.4	.0	5.3			2.3	3.4	1.1	.2	.0	7.1

PERIOD:	LOVE		1963-1						JANUARY					0001		
PERTOU.	LUVE	K-ALL!	1403-1	.7/3				TABLE	18 (CONT)				AREA	37.		.64
						-										
				PC	T FREQ	OF WIND	SPFED	(KTS)	AND DIREC	TION	ERSUS S	EA HEIG	HTS (FT	,		
				5								SW			-	
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	.0	.2	.0	.0	.0	.0	.2			.1	.0	.0	.0	.0	.2	
3-4	-1	1.7	1.5	.7	.0	.0	3.3		.1	1.9	1.2	:0	.0	.0	3.2	
5-6	.0	1.2	3.0	1.4	.1	.0	4.1		.0	.9	3.2	1.2	.1	.0	4.9	
7	.0	.3	1.3	1.9	.1	.0	3.6		.1	.0	1.7	2.0	.3	.0	4.1	
8-9	.0	.0	.3	1.0	.0	.0	1.3		.0	.1		1.4	.3	.0	2.2	
10-11	.0	.0	.0	.3	.1	.0	.4		.0	.0	.1	.9	.2	.0	1.2	
12	.0	.0	.0	.3	.7	.0	.5		.0	.0	.0	.2	.1	.0	.4	
13-16	.0	.0	.0	.2	.0	.0	.2		.0	.0	.1	.4	.1	.0	.6	
17-19	.0	.0	.0	.0	.1	.0	.1		.0	.0	.0	.2		.0	.3	
20-22	.0	.0	.0	.0	.1	.0	.1		.0	.0	.0	.0	.1	.0	.1	
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.1	.1	
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.1	3.7	8.4	6.0	.6	.0	18.7		.2	3.3	9.5	6.9	1.2	•1	21.2	
												NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL
<1	.1	.5	.1	.0	.0	.0	.7		.0	.4	.0	.0	.0	.0	.4	
1-2	.0	1.2	1.1	.0	.0	.0	2.4			1.5	.8	.0	.0	.0	2.3	
3-4	.0	2.1	3.6	.6	.0	.0	6.3		.0	1.2	1.4	.3	.0	.0	2.9	
5-6	.0	.4	2.4	1.8	.0	.0	4.6		.0	.2	1.9	.7	.0	.0	2.7	
7	.0	.0	1.7	1.2	.2	.0	3.1		.0	.0	.8	1.1		.0	2.0	
8-9	.0	.1	.6	1.4	.2	.0	2.3		.0	.1	.1	.3	.0	.0	.5	
10-11	.0	.0	.4	.9	.3	.0	1.6		.0	.0	.2	.7	.0	.0	.9	
12	.0	.0	.0	.6	.4	.0	1.0		.0	.0	.0	.1	.1	.0	.5	
13-16	.0	.0	.1	.5	.3	.0	.8		.0	.0	.0	.3	.4	.0	.7	
17-19	.0	.0	.0	.2	•0	.0	.2		.0	•0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.1	.0	.0	.1		.0	.0	.0		.1	.0	.1	
23-25	.0	.0	.0	.0	.2	.0	.2		.0	.0	.0	.0		.0		
26-32	.0	.0	.0	.1	.?	.0	.3		.0	.0	.0	.0	.0	.0	.0	
33-40 41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0		.0										
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.1	4.3	10.1	7.3	1.7	.0	23.5		.0	3.3	5.2	3.7	.6	.0	12.8	99.3
	••	7.0	10.1	,.,		.0	20.0			3.3	3.2		.0	.0	12.0	

	MIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	1.9	2.1	.1	.0	.0	.0	4.1	
1-2	.3	9.5	6.0	.0	.0	.0	15.8	
3-4	.0	6.8	12.5	2.4	.0	.0	21.7	
5-6	.0	1.6	13.0	6.8	.2	.0	21.6	
7	•1	.3	7.6	7.2	.9	.0	16.0	
8-9	•0	.3	2.0	5.3	.7	.0	8.2	
10-11	.0	.0	.8	3.5	.7	.0	5.0	
12	•0	.0	.0	1.7	.8	.0	2.5	
13-16	•0	.0	.2	1.9	1.4	.0	3.5	
17-19	.0	.0	.0	.4	.2	.0	.6	
20-22	.0	.0	.0	.2	.3	.0	.4	
23-25	.0	.0	.0	.0	.2	.1	.3	
26-32	•0	.0	.0	.1	.2	.0	.3	
33-40	•0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	•0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								1128
TOT PCT	2.2	20.6	42.2	29.4	5.5	.1	100.0	

PERIOD	: (DV	ER-ALL	194	9-197	3				TABLE	19											
					PERCENT	FRE	QUENCY	OF WA	VE HEI	GHT (F	T) VS	WAVE P	ERTOD	(SECON	DS)						
PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
6-7	.8	5.3	6.7	5.8	2.9	3.0	1.8	1.3	.5	.:	.0	.0	.0	.0	.0	.0	.0	.0	.0	492	4 7
8-9	.0	.2	.6	3.3	5.1	4.1	2.6	1.5	1.9	.2	.3	.1	.2	.0	.0	.0	.0	.0	.0	418	9
10-11	.0	.2	.3	.9	.8	2.0		1.3	1.7	.3	.5	2	.1		.0	.0	.0	.0	.0	207	11
12-13	.0	.0	.1	.6	1.0	.6	.8	.6	1.0	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	113	11
>13	.0	.0	.0	•2	.4	.3	.1	.2	.8	.1	.1	.1	.2	.0	.0	.0	.0	.0	.0	54	13
INDET	1.5	1.1	1.4	1.6	1.9	2.0		.7	1.3	.6	.5	.2	.0			.0	.0	.0	.0	290	8
TOTAL	48	149	270	389	357	272	182	119	167	40	36	19	13	1	0	0	0	0	0	2062	7
PCT	2.3	7.2	13.1	18.9	17.3	13.2	8.8	5.8	8.1	1.9	1.7	.9	.6		.0	.0	.0	.0	.0	100.0	

FEBRUARY

PERIOD: (PRIMARY) 1928-1973 (UVER-ALL) 1856-1973

TABLE 1

AREA 0001 AZORES 37.9N 26.6W

PERCENT	ERECHENCY	OF	WEATHER	DECURRENCE	RY	MIND	DIRECTION

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
WNO DIR	RAIN	RAIN	DRZL	FRIG PCPN	SNOW	DTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	
N NE	1.7	4.4	:3	:0	:0	.0	:0	7:0	8.4	1:0	2.1	:0	1:0	:0	82.5
E SE	3.6	4.4	1.8	.0	.0	•0	.0	8.7	6.8	:4	2.3	.0	2.9	.0	86.4
S	5.2	3.2	4.2	.0	.0	•0	.0	12.6	4.8	.5	2.3	.0	1.5	.0	78.2
	3.3	2.3	1.4	.0	.0	•0	.1	7.2	8.6	2.4	1.8	.0	.5	.1	77.5
NW VAR	3.7	3.2	.0	.0	.0	.0	.0	7.8	4.6	1.3	.0	.0	.0	.0	86.0
CALM	.0	•0	.0	.0	.0	•0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	2756	3.0	2.1	.0	.0	.0	.1	9.2	6.2	.9	1.2		. 6	•	81.6

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

							13								
			P	RECIPI	TATIO	TYPE					OTHER	WEATHER	PHENO	MENA	
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	NO SIG WEA
00603 06609 12615 18621	5.4 4.3 4.3 2.7	2.3 3.0 4.0 2.6	2.5 3.1 2.0 1.2	.0	.0	.0 .0	.0	10.0 10.4 10.6 6.4	6.5 5.8 7.1 5.5	2.0 1.0 .3	.8 1.3 1.4 1.3	.0 .0 .0	.3 .1 1.3 1.4	.0 .0 .1	80.7 81.3 79.3 84.7
TOT PCT	4.1	3.0	2.1	.0	.0	•0	•1	9.2	6.2	.9	1.2		.8		81.6

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

				D (KNO										(GHT)			
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	OBS	FREQ	SPD	00	03	06	09	12	15	18	21
N NE	.2	2.6	3.2	1.3	.3	.1		7.7	15.4	7-1	8.7	8.0	9.6	7.4		6.8	8.3
E	.2	3.3	4.3	1.0	.4	.0		7.8	14.5	7.5	10.0		8.8	7.8	7.9	9.7	7.3 8.7
SE	.4	4.3	4.5	1.7	.4			11.3	14.6	10.3	13.9	12.3	8.6	10.7	9.0	11.9	12.3
S	.5	4.2	6.4	2.9	.7			14.7	16.1	16.3	16.5	14.1	17.1	13.9	15.1	13.5	14.4
SW	.3	4.4	8.3	4.7	1.4	.1		19.3	18.5	19.8	19.2	18.6	17.9	19.3	21.0	19.1	20.2
W	.5	3.5	6.3	4.5	1.5	.3		16.6	19.7	17.8	14.0	16.7	13.3	19.4	14.1	16.6	16.7
NW	.3	3.1	4.8	2.8	.9	. ?		12.2	18.3	11.2	11.5	12.3	11.9	11.7	12.3	13.6	11.4
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.9							.9	.0	.8	1.0	1.3	2.6	.3	.9	.3	.6
TOT OBS	160	1215	1803	865	246	35	4324		16.8	616	302	860	312	638	324	942	330
TOT PCT	3.7	28.1	41.7	20.0	5.7	. 8		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

_	٠	_	_	_	

WND DIR	0-6		SPEED 17-27	(KNOTS) 28-40	41+	TOTAL ORS	PCT	MEAN SPD	00	06 09	12 15	18 21
N NE	1.0	3.8	2.1	.8	.1		7:7	15.4	7.6	8.4	7.7	7.2
E	1.5	4.9	2.4		.1		9.4	14.1	9.5	8.9	10.1	9.5
SE S	1.8	5.5	3.0	.5	.1		11.3	14.6	11.5	11.3	10.1	12.0
	1.8	6.6	4.8	1.3	.2		14.7	16.1	16.3	14.9	14.3	13.7
SW	1.2	7.7	6.9	2.9	.5		19.3	18.5	19.6	18.4	19.9	19.4
	1.6	5.4	5.9	3.0	.7		16.6	19.7	16.6	15.8	17.6	16.6
NW	1.3	4.7	4.0	1.8	.4		12.2	18.3	11.3	12.2	11.9	13.1
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	.9						.9	.0	.9	1.6	.5	.4
TOT OBS	528	1833	1358	511	94	4324		16.8	918	1172	962	1272
TOT PCT	12.2	42.4	31.4	11.8	2.2		100.0		100.0	100.0	100.0	100.0

PERIOD: (PRIMARY) 1928-1973 (OVER-ALL) 1856-1973

TABLE 4

AREA 0001 AZORES 37.9N 26.6W

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GHT)

HOUR	CALM	1-3	4-10	11-21	SPEED 1	KNOTS) 34-47	48+	MEAN	PCT	TOTAL
00603	.9	3.1	27.0	42.2	19.4	6.5	1.0	17.1	100.0	918
90300	1.6	2.7	30.1	42.2	18.9	3.9	.5	15.8	100.0	1172
12615	.5	2.4	27.4	40.0	22.7	6.1	. 8	17.4	100.0	962
18621	.4	3.1	27.5	42.2	19.4	6.4	.9	17.0	100.0	1272
TOT	37	123	1217	1804	865	246	35	16.8		4324
PCT	. 0	2.8	28.1	41.7	20.0	5.7	. 8		100.0	

TABLE S

TABLE A

	CT FRE	Q OF T	OTAL C	LOUD A		EIGHTHS)			PERCEN	TAGE F	REQUEN	CY OF	CEILIN NH <5/	S BY W	HTS (RECTI	94/8) JN	
WND DIR	0-2	3-4	5-7	8 6	TOTAL DBS	COVER	000 149	150	300 599	600	1000	2000 3499	3500 4999	5000	6500 7999	*000+	NH <5/8 ANY HGT	
N	1.2	1.4	3.1	1.4		5.1	.0		.3	.8	1.2	.6	.2	.1	.0	.0	3.9	
NE	1.3	1.6	3.0	1.9		5.3	.0	.1	.1	.8	1.9	.9	.5	.0	.0		3.9	
	1.2	1.7	2.9	3.5		5.7	.0	.1	.3	1.4	1.6	1.4	.4	.2	.0		3.9	
SE	1.1	1.4	4.1	3.3		5.9		.0	.2	1.1	2.4	.7	.4	.2	.0	.0	4.9	
	1.6	1.7	4.3	5.7		6.0	.2	.1	.5	1.4	3.1	1.8	.4	.2		.1	5.4	
SW	2.3		6.8	8.2		6.0	.2	.2	. 9	3.1	4.2	1.9	.6	.3		.2	8.4	
3#		2.6	7.9	4.7		5.3	.0	.1	.6	2.9	3.4	1.7	. 8	.1	.0	.1	9.9	
	2.8	4.2				4.9		-	.3	1.2	1.9	.9	.4	.2	. 0	.0	7.5	
NW	2.1	3.5	4.5	2.4			.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
VAR	.0	.0	.0	.0		.0		7	-			2.5	-				.3	
CALM	.2	.0	.1	.1		4.0	.0	.0	.0	•0		.1	.0	.0	.0	.0		22.42
TOT DBS	299	391	785	668	2143	5.5	9	12	69	272	423	215	73	28	2	10	1030	2143
TOT PCT	14.0	18.2	36.6	31.2	100.0		.4	.6	3.2	12.7	19.7	10.0	3.4	1.3	.1	.5	48.1	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANFOUS DECURRENCE DF CEILING HEIGHT (NH >4/8) AND VSBY (NH)

				VSBY (NH				
					. nR	. OR	. DR	. DR
CEILING	= DR	= OR	- OR	• DR				>0
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>50Y0	/0
* DR >6500	.4	.6	.7	.7	.7	.7	.7	.7
■ OR >5000	1.5	1.9	2.0	2.0	2.0	2.0	2.0	2.0
* OR >3500	4.0	5.1	5.3	5.4	5.4	5.4	5.4	5.4
# OR >2000	11.6	14.7	15.6	15.7	15.7	15.7	15.7	15.7
. OR >1000	24.1	32.9	34.8	35.1	35.3	35.3	35.3	35.3
# OR >600	31.1	44.3	47.1	47.6	47.7	47.7	47.7	47.8
- OR >300	32.4	46.7	50.2	50.7	50.9	50.9	50.9	50.9
		47.2	50.7	51.2	51.4	51.4	51.4	51.5
= DR >150	32.7							
. DR > 0	32.7	47.4	51.0	51.5	51.8	51.8	51.8	51.9
-0741	700	1020	1106	1117	1122	1123	1123	1125

TOTAL NUMBER OF DBS: 2167

PCT FREQ NH <5/8: 48.1

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	OBS
5.4	6.0	11 6	12.4	11.0	9.0	11.1	10.2	22.2	.3	2373

FE	BRI	UA	RY
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								FEE	RUARY						
PERIOD:	(PRIMARY) 1 (OVER-ALL) 1	928-1973 856-1973						TA	BLE 8				ARE	A 0001 A	
			P	ERCENT	FRED	OF WIN	D DIRE	CTION TH VAN	VS DC	URRENC	E OR N	INILI	CURRENC	E OF	
	VSBY (NM)		N	NE	F	SF	5	SW		NW	VAR	CALM	PCT	TOTAL	
	<1/2	PCP NO PCP TOT %	.0	.0	.0	.0	:0	.0	.0	.0	.0	.0	.0		
		PCP	.0	.0						.0	.0	.0			
	1/2<1	NO PCP	.0	.0	.0	.1	.1	.1	.0	.0	.0	.0	.3		
	1<2	PCP NO PCP	.0	.0	.1 .0 .1	:	.0	•	.1	.0	.0	.0	.3		
	•	TOT &	.0	.0	.1	.1	100	:1	.1	.0	:0	.0	.5		
	2<5	PCP NO PCP	.1	.1	:1	.4	1.0	.7 .5 1.2	.6	.3	.0	.0	2.7		
		TOT %	.2	.1		.4	.7			.5	.0	.0	4.6		
	5<10	NO PCP	1.4	1.1	1.4	1.9	3.4	5.0	3.3	1.9	.0	.1	19.5		
	10+	PCP ND PCP	5.5	6.0	6.8	6.8	8:3	11:9	13:2	9.2	.0	.0	68.1		
		TOT %	5.7	6.1	7.0	7.1	8.7	12.3	13.6	9.4	.0	.4	70.3		
		TOT OBS	7.6	7.6	9.1	10.2	14.1	20.2	18.5	12.3	.0	.5	100.0	2749	

(NM) KTS 0-3														
PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY														
SBY SPU N NE E SE S SM W NM VAR CALM PC NM) KTS								TABLE	. ,					
NM) KTS 0-3 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0					PERCEN							ED		
11/2 4-10			N	NE	E	SE	s	Sa		Ni	VAR	CALM	PCT	TOTAL
11-21 .0 .0 .0 .* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0							.0		.0			.0	.0	
22+	1/2												.0	
TOT X													.1	
/2<1													.1	
/2 11-21 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		TOT %		.0		.0	.0	•		•	.0	.0	.1	
11-21 .0 .0 .0 .0 .1 .2 * 00 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0					.0	.0	.0			.0		.0	.0	
22+ .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	/2<1				.0								.1	
TOT X .0 .0 .0 .1 .2 .1 * * * .0 .0 .0 .0 .1 .2 .1 * * * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0													.2	
1<2													.1	
142 4-10 .0 .0 .0 .0 .0 .1 .1 .1 .1 .1 .2 .2 .2 .2 .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0		TOT %	.0	.0	.0	.1	.2	.1			.0	.0	.5	
142 4-10 .0 .0 .0 .0 .0 .0 .1 .1 .1 .1 .1 .2 .2 .2 .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0			.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
22+ .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	1<2	4-10	.0	.0		.0	.1			.0	.0		.1	
TOT % .0 * .1 .1 .3 .2 .2 .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0													.2	
2<5		22+					.1						.5	
2<5 4-10 * 1.1 .1 .3 .2 .1 * .0 .1 .1 .2 .2 .4 .5 .2 .1 .0 .1 .2 .2 .2 .1 .2 .1 .2 .2 .1 .2 .1 .2 .2 .1 .2 .1 .2 .2 .1 .2 .1 .2 .2 .1 .2 .2 .1 .2 .2 .1 .2 .2 .1 .2 .2 .1 .2 .2 .1 .2 .2 .1 .2 .2 .1 .2 .2 .1 .2 .2 .1 .2 .2 .1 .2 .2 .1 .2 .2 .2 .1 .2 .2 .2 .1 .2 .2 .2 .1 .2 .2 .2 .2 .2 .2 .2 .2 .2 .2 .2 .2 .2		TOT %	.0		.1	.1	.3	.2	.2	.1	.0	.0	.9	
2<5			.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
22+ 11	2<5				.1	.1		.2	.1		.0		.9	
0-3 .0 .1 * .1 .1 .1 .1 .1 .1 .0 .1 .5 .10 .0 .15 .10 .4 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1				.1		.2		.5	.2				1.7	
0-3 .0 .1 * .1 .1 .1 .1 .1 .1 .0 .1 .5 .10 .0 .5 .5 .0 .0 .0 .5 .5 .10 .4 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1						.4	.4	.7	.5	.3			2.6	
5<10 4-10		TOT %	.2	.1	.3	.7	1.1	1.4	.8	.5	.0	.0	5.1	
5<10 4-10 .5 .2 .4 .7 .6 .9 .5 .5 .0 4. 11-21 .7 .6 .9 1.1 2.0 2.6 1.3 .7 .0 9. 22+ .4 .4 .6 .9 1.7 2.4 1.9 .9 .0 9. TOT % 1.5 1.3 1.9 2.8 4.3 6.0 3.8 2.3 .0 .1 23. 10+ 4-10 1.8 2.0 2.8 3.4 3.1 2.9 2.5 2.4 .0 21. 11-21 2.5 3.2 3.4 2.9 4.2 5.1 5.3 4.3 .0 30.			.0	.1		.1	.1	.1	.1	.1	.0	.1	.6	
22+ .4 .4 .6 .9 1.7 2.4 1.9 .9 .0 9. TOT % 1.5 1.3 1.9 2.8 4.3 6.0 3.8 2.3 .0 .1 23. 10+ 4-10 1.8 2.0 2.8 3.4 3.1 2.9 2.5 2.4 .0 21. 11-21 2.5 3.2 3.4 2.9 4.2 5.1 5.3 4.3 .0 30.	5<10			.2		.7		.9	.5	.5	.0		4.3	
22+ .4 .4 .6 .9 1.7 2.4 1.9 .9 .0 9. TOT % 1.5 1.3 1.9 2.8 4.3 6.0 3.8 2.3 .0 .1 23. 10+ 4-10 1.8 2.0 2.8 3.4 3.1 2.9 2.5 2.4 .0 21. 11-21 2.5 3.2 3.4 2.9 4.2 5.1 5.3 4.3 0 30.				.6	.9	1.1	2.0	2.6		.7	.0		9.9	
0-3 .1 .1 .3 .2 .4 .2 .3 .1 .0 .6 2. 10+ 4-10 1.8 2.0 2.8 3.4 3.1 2.9 2.5 2.4 .0 21. 11-21 2.5 3.2 3.4 2.9 4.2 5.1 5.3 4.3 .0 30.				.4	.6	.9			1.9	.9			9.1	
11-21 2.5 3.2 3.4 2.9 4.2 5.1 5.3 4.3 .0 30.		TOT %	1.5	1.3	1.9	2.8	4.3	6.0	3.8	2.3	.0	.1	23.9	
11-21 2.5 3.2 3.4 2.9 4.2 5.1 5.3 4.3 .0 30.		0-3	.1	.1	.3	.2	.4	.2	.3	.1	.0	.6	2.3	
11-21 2.5 3.2 3.4 2.9 4.2 5.1 5.3 4.3 .0 30.	10+		1.8	2.0	2.8	3.4	3.1	2.9	2.5	2.4	.0		21.0	
22+ 1.2 .9 .9 1.0 1.5 3.2 4.1 2.6 .0 15.			2.5	3.2					5.3				30.8	
			1.2	.9	.9	1.0	1.5	3.2	4.1	2.6	.0		15.3	
TOT \$ 5.7 6.2 7.3 7.5 9.1 11.4 12.2 9.4 .0 .6 69.		TOT \$	5.7	6.2	7.3	7.5	9.1	11.4	12.2	9.4	.0	.6	69.4	
TOT GBS														348
TOT PCT 7.4 7.6 9.6 11.2 15.0 19.1 17.1 12.3 .0 .7 100.	1	TOT PCT	7.4	7.6	9.6	11.2	15.0	19.1	17.1	12.3	.0	.7	100.0	

PERIOD: (PRIMARY) 1928-1973 (OVER-ALL) 1856-1973

TABLE 10

AREA ODD1 AZDRES 37.9N 26.6W

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND

							-		-	-			
HOUR (GHT)	000	150 299	300 599	979	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL
00603	.8	.4	2.3	11.0	18.1	8.2	3.0	1.1	.0	1.1	46.0	54.0	526
0.000							2 0				44 0	42 1	400

.5 .5 4.5 12.8 22.3 11.9 2.3 1.8 .2 .3 57.2 12615 .2 .2 2.6 12.6 17.9 10.0 4.5 1.2 .0 .3 49.5 50.5 642 18621 9 12 69 273 426 224 73 29 2 13 1130 .4 .5 3.1 12.1 18.9 9.9 3.2 1.3 .1 .6 50.2

TABLE 11

TABLE 12

		PERCENT	FREQUEN	CY VSB	(NM)	AY HOUR		CUMULAT					VSBY (NM)), AY HOUR	
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND>+	NH <5/8 AND 5+	TUTAL
00603	.3	.4	.6	4.2	21.5	73.0	786	E0300	1.2	4.2	17.7	31.8	50.5	497
90360	.1	.4	.4	4.9	25.3	68.8	A95	065.09	.2	4.4	19.8	30.7	49.5	459
12615	.2	.7	1.3	5.5	23.7	68.5	835	12615	.7	6.0	22.5	36.3	41.1	586
18621	.0	.3	1.1	5.8	24.4	68.4	1013	18821	.2	3.0	20.0	32.2	47.8	625
TOT	5	16	31	182	840	2455	3529 100.0	TOT	12	95 4.4	436	713 32.9	1018	2167

TABLE 13

				IADI					
	PERC	ENT FR	EQUENC	Y OF	IND DI	RECTIO	N BY T	EMP	
N	NE	£	SE	S	SW	W	NW	VAR	CALM
.0				.0	.0		.1	.0	.0
.2	.1	.5	.5	.9	.8	.5	.1	.0	.0
1.5	2.0	4.0	6.7	9.4	14.3	8.3	2.7	.0	.2
4.0	4.4	4.2	2.9	3.3	5.1	8.0	7.5	.0	. 2
1.0	.7	.4	.1	.1	.3	1.8	2.0	.0	
.1	.0	.0	.0	.0		.3		.0	.0
7.5	7.3	9.1	10.2	13.8	20.4	18.9	12.3	.0	.4

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP TOTAL PCT
TEMP F 0-29 30-39 40-49 50-59 60-69 70-79 80-89 90-100 NBS FREQ .0 .0 .1 * .0 * .0 4 .2 * .8 3.8 .0 .1 1,2 5.2 11.1 18.0 13.4 1141 49.1 .0 .2 1.6 1.6 1.6 1.5 1.6 1.0 149 6.4 .0 .0 .0 .0 .0 .0 .2 .1 * 9.4 11.1 18.0 12.5 11.5 1.6 1.0 149 6.4 .0 .0 .0 .0 .0 .2 .1 * 9.4 11.1 10.86 351 615 757 504 2324 100.0 * .4 3.7 15.1 26.5 32.6 21.7 .0

				TAB	LE 15									TABLE	16			
	MEANS,	EXTREME	S AND	PERCEN	TILES	OF TEM	P (DE	G F) B	Y HOUR		PERC	ENT FRE	QUENCY	OF RELA	TIVE H	UMIDITY	BY HOUR	
HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL	HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
£0300	69	64	63	59	54	51 51	48	58.8	925 1171	00803	.0	3.2	12.7	25.2	33.6	25.7	82 82	560 571
12615	72	68	65	61	55 55	51 51	49	59.9	932 1244	12615	.0	6.1	17.4	25.6	33.4	17.5	79	587
TOT	74	66	64	60	54	51	45	59.4	4272	TOT	.0	97	360	618	773	516	80	2364

FEBRUARY

PERIOD: (PRIMARY) 1928-1973 (OVER-ALL) 1856-1973

ABLE 17

AREA 0001 AZORES 37.9N 26.6W

3

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE DCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	45 48	49 52	53 56	57	61	65 68	69 72	TOT	FÜG	FOG
11/13	.0	.0	.0	.0		:		3 6	.0	.1
9/10	.0	.0	.0		.1		.1	6	.0	:2
7/8	.0	.0	.0	.2	:1	.3	.1	16	.0	.6
6	.0	.0	.0	.1	.3	.5	.0	22	.0	.9
5	.0	.0	.0	.1	.6	.6		36	.0	1.4
4	.0	.0		.2	1.8	.6		67	.0'	2.7
3	.0	.0	.1	.5	4.0	.4	.0	126		5.0
2	.0	.0		1.9	6.8	.4	.0	231	.2	9.0
1	.0	.0	.1	3.5	7.3	:3	.0	280	.2	11.0
0 -1	.0	.0	.2	9.1	6.5	.1	.0	398	.3	15.6
-1	.0	.0		9.5	3.5		.0	343	.3	13.4
-2	.0		1.1	7.8	1.7	.0	.0	265	.2	10.4
-3	.0	.2	2.3	5.5	.3	.0	.0	204		8.1
-4	.0		3.3	3.8	.4	.0	.0	190	.1	7.5
-5	.0	.2	2.9	2.0	.2		.0	134		5.3
-6		. 2	1.9	.9	.1	.0	.0	79	.0	3.1
-7/-8	.0	.7	1.8	.4	.1	.0	.0	72	.0	2.9
-9/-10		.3	.7	.2	.0	.0	.0	30	.0	1.2
-11/-13	.1	.2			.0	.0	.0	9	.0	.4
TOTAL	4		378		851		7		33	2478
		43		1144		84		2511		
PCT	.2	1.7	15.1	45.6	33.9	3.3	.3	100.0	1.3	98.7

PERIOD: (OVER-ALL) 1963-1973

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

PERIOD: (QVER-ALL) 1963-1973 TABLE 18 (CONT) TABLE 18 (CONT) TABLE 18 (CONT) PCT FREQ DF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT) HGT 1-3 4-10 11-21 22-33 34-47 48- 9CT 1-3 4-10 11-21 22-33 34-47 48- 9CT 1-2 1.0 1.2 1.2 1.3 1.4 0.0 0.0 1.0 1.7 1.2 1.2 1.3 1.4 0.0 0.0 1.0 1.7 1.2 1.2 1.3 1.4 0.0 0.0 1.0 1.7 1.2 1.2 1.3 1.4 0.0 0.0 1.0 1.7 1.2 1.2 1.3 1.4 0.0 0.0 1.0 1.7 1.2 1.2 1.3 1.4 0.0 0.0 1.0 1.7 1.2 1.2 1.3 1.4 0.0 0.0 1.0 1.7 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2											FEBRU	ARY								
PCT FREQ DF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT) HGT 1-3 4-10 11-21 22-33 34-47 48+ PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT 1-2 0 1.1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	: (0	: (COVER	-ALL)	1403-	1973				TARLE	18 (CONT				AREA	0001	AZDRE		
HGT 1-3 4-10 11-21 22-33 34-47 48+ pCT 1-3 4-10 11-21 22-33 34-47 48+ pCT 1-2 .0 .0 .2 .0 .0 .0 .0 .0 .2 .1 .1 .5 .1 .0 .0 .0 .0 .7 .7 .1 .2 .0 1.1 .5 .0 .0 .0 .0 .2 .1 .1 .5 .1 .0 .0 .0 .0 .0 .7 .7 .7 .5 .6 .0 .2 1 .6 .7 .1 .0 .2 .5 .0 .0 .5 .3 .5 .1 .7 .2 .0 .0 .3 .7 .5 .6 .0 .2 1 .6 .7 .1 .0 .2 .5 .0 .0 .5 .3 .5 .1 .7 .2 .0 .5 .9 .7 .7 .0 .1 .5 .7 .4 .0 .1 .7 .0 .0 .1 .3 .1 .7 .3 .0 .3 .3 .8 .9 .0 .0 .0 .5 .5 .2 .0 .0 .2 .0 .1 .2 .0 .0 .0 .1 .3 .1 .7 .2 .0 .3 .9 .7 .1 .1 .0 .2 .5 .0 .0 .5 .3 .5 .1 .7 .2 .0 .5 .9 .1 .1 .1 .0 .1 .1 .0 .1 .1 .0 .1 .1 .0 .1 .1 .0 .1 .1 .0 .1 .1 .0 .1 .1 .0 .1 .1 .1 .0 .1 .1 .1 .0 .1 .1 .1 .0 .1 .1 .1 .0 .1 .1 .1 .1 .0 .1 .1 .1 .1 .0 .1 .1 .1 .1 .1 .1 .1 .0 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1																		• • • • • • • • • • • • • • • • • • • •		
NGT 1-3 4-10 11-21 22-33 34-47 48+ 9CT 1-2 0.0 1.1 1.5 0.0 0.0 0.0 0.0 0.7 7 1-2 0.0 1.1 1.5 0.0 0.0 0.0 1.6 0.2 1.3 1.4 0.0 0.0 0.0 2.8 3-4 0.0 0.9 1.5 0.3 0.0 0.0 2.7 7 0.0 7.7 2.7 3.3 0.0 0.0 3.7 5-6 0.0 0.2 1.6 0.7 7 0.1 0.0 2.5 0.0 0.7 7 2.7 3.3 0.0 0.0 3.7 5-6 0.0 0.2 1.6 0.7 7 0.1 0.0 2.5 0.0 0.5 3.5 1.7 0.2 0.0 5.9 7 0.0 0.1 0.0 0.5 0.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0						PC	T FRED DI	WIND	SPEED	(KTS)	AND	DIREC	TION	VERSUS	SEA HEIG	HTS (FT)				
11-2			1-3	4-10	11-21	5	34-47					1-3	4-10	11-21	32-33	34-47				
1-2									2											
3-4 0 0 9 1.5 3 0 0 0 2.7 0 0 37 2.7 3 0 0 0 3.7 5.6 5.6 0 0 2.2 1.6 1.7 2.2 0 0 3.7 7 7 0 0 1 1 5 5 7 1 1 0 2.5 5 0 0 5 3.5 3.5 1.7 2.2 0 0 3.9 7 7 0 0 1 1 5 5 7 1 4 0 1 7 2 0 0 0 1 1.7 2 0 0 0 1 1.7 2 0 0 3.9 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					.5				1.6				1.3	1.4						
5-6								.0	2.7				. 7	2.7				3.	7	
7					1.6	.7	.1		2.5						1.7					
8-9 0 0 0 5 5 5 2 0 1 1 2 0 0 0 1 1 2 0 0 0 1 1 2 0 0 0 0			.0				.4	.0	1.7						1.7					
10-11			.0	.0	.5	.5	.2	.0	1.2			.0	.0	.8	1.4					
12			.0				.1		.4			.0	.0	.3	2.0					
17-19 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			.0						.2				.0		.2		.0		5	
17-19 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0									.5				.0				.0			
23-25									.0				.0				.0		2	
26-32									.0								.0			
33-40 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0									.1											
41-48																				
49-60									.0											
61-70																				
71-86									.0											
87+ 10 10 10 10 10 10 10 10 10 10 10 10 10																				
TOT PCT .0 2.4 4.8 2.9 .9 .0 11.0 .3 3.0 10.3 7.8 2.0 .2 23.6 HGT 1-3 4-10 11-21 22-33 34-47 48+ PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT PC (1 .0 .2 1.5 .6 .0 .0 .0 .2 2 .0 .1 .0 .0 .0 .0 .1 1-2 .2 1.5 .6 .0 .0 .0 .0 .2 3 * 1.5 .5 .0 .0 .0 .0 .0 .1 3-4 .0 .5 1.5 .1 .0 .0 .0 .2 2 .0 .1 .0 .0 .0 .0 .0 .1 5-6 .0 .3 2.4 1.9 .2 .0 4.8 .0 .2 1.8 1.0 .0 .0 3.5 7 .0 .0 .1 .2 2 .6 .0 4.8 .0 .0 .2 1.8 1.0 .0 .0 3.5 8-9 .0 .0 .6 1.7 .8 .1 3.1 .0 .0 .0 .7 .4 .0 .0 .0 1.0 8-9 .0 .0 .0 .1 .9 .7 .1 1.3 .0 .0 .0 .7 .4 .0 .0 .0 1.0 10-11 .0 .0 .1 .9 .7 .1 1.3 .0 .0 .0 .3 .9 .5 .0 1.8 12 .0 .0 .0 .0 .2 .4 .0 .6 .0 .0 .0 .1 .5 .3 .0 .8 12 .0 .0 .0 .0 .2 .4 .0 .6 .0 .0 .0 .1 .5 .3 .0 .8 13-16 .0 .0 .0 .1 1.0 .3 .0 1.3 .0 .0 .0 .0 .2 .2 .0 .4 13-16 .0 .0 .0 .1 1.0 .3 .0 1.3 .0 .0 .0 .0 .0 .1 .1 .0 .0 .1 20-22 .0 .0 .0 .0 .0 .2 .4 .0 .6 .0 .0 .0 .0 .0 .1 .1 .0 .1 20-22 .0 .0 .0 .0 .0 .2 .0 .2 .0 .2 .0 .0 .0 .0 .0 .1 .1 .2 .2 23-25 .0 .0 .0 .0 .0 .0 .2 .0 .2 .0 .2 .0 .0 .0 .0 .0 .0 .0 .0 .2 .2 .0 .2 33-40 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0									.0											
HGT 1-3 4-10 11-21 22-33 34-47 48+ PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT PC (1 .0 .2 .0 .0 .0 .0 .0 .2 .0 .0 .0 .0 .0 .1 1-2 .2 .2 .3 .3 .4 .4 .4 .4 .4 .4 .4 .4 .4 .4 .4 .4 .4																				
HGT 1-3 4-10 11-21 22-33 34-47 48+ PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT PC 1 1-3 4-10 11-21 22-33 34-47 48+ PCT PC 1 1-3 4-10 11-21 22-33 34-47 48+ PCT PC 1 1-3 4-10 11-21 22-33 34-47 48+ PCT PC 1 1-3 4-10 11-21 22-33 34-47 48+ PCT PC 1 1-3 4-10 11-21 22-33 34-47 48+ PCT PC 1 1-3 4-10 11-21 22-33 34-47 48+ PCT PC PC 1 1-3 4-10 11-21 22-33 34-47 48+ PCT PC PC PC 1 1-3 4-10 11-21 22-33 34-47 48+ PCT PC			.0	2.4	*.0	2.7	.,	.0	11.0			.,	3.0	10.3	/	2.0	.2	23.	•	
Ci O -2 -0 -0 0 0 2 -0 -1 -0 -0 -0 -0 -1 -1 -1 -0 -0 -0 -0 -1 -1 -0 -0 -0 -0 -1 -1 -0 -0 -0 -1 -1 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0															MM					
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	1-	1	1-3	4-10	11-21	22-33	34-47	48+	PCT			1-3	4-10	11-21	22-33	34-47	48+	PC	T P	CT
3-4			.0	.2		.0	.0	.0	.2			.0	.1	.0	.0	.0	.0		1	
5-6									2.3						.0					
7								.0	2.2											
8-9 10 0 10 16 1.7 8 11 3 1 0 10 3 9 .5 10 1.8 10-11 0 0 0 1.9 1.7 11 1.3 0 0 0 1.1 5 3 0 8 12 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0																				
10-11																				
12																				
13-16									1.3											
17-19								.0											4	
20-22																				
23-25 .0 .0 .0 .0 .0 .2 .0 .2 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0																				
26-32 .0 .0 .0 .0 .3 .4 .7 .0 .0 .0 .0 .2 .0 .2 33-40 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0									.,											
33-40 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0																				
			.0	.0	.0	.0	.0	.0	.0			.0				.0	.0			
49-60 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0																				
61-70 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0																				
71-86 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0									.0											
87+ .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0																				
								.7	21.7											9.6

	MIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	1.5	1.6	.2	.0	.0	.0	3.3	003
1-2	.9	10.7	4.8		.0	.0	16.4	
3-4	.1	5.3	13.7	2.0	.0	.0	21.1	
5-6	.1	1.8	12.3	6.3	.6	.0	21.1	
7	•0	.1	6.0	5.5	1.3	.0	12.8	
8-9	•0	.1	2.7			.3	10.5	
10-11	.0	.0	.7	4.1	1.0	.1	5.9	
12	•0	.0	.0	1.1	.9	.0	2.0	
13-16	.0	.0	.5	2.2	1.4	.0	4.1	
17-19	•0	.0	.1	.1	.6	.0	.8	
20-22	*0	.0	.0	.1	.4	.3	.8	
23-25	•0	.0	.0	.1	.2	.0	.3	
26-32	•0	.0	.0	.0	.5	.4	.9	
33-40	•0	.0	.0	.0	.0	.0	.0	
41-48	•0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	•0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
	LIS P. C.							1005
TOT PCT	2.6	19.6	41.0	27.1	8.7	1.1	100.0	

PERIOD	: (OV	ER-ALL)	194	9-1973					TABLE	19											
					PERCEN	T FRE	QUENCY	OF WA	VE HEI	GHT (F	T) VS	WAVE P	ERIOD	(SECON	051						
PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN
6-7	.8	4:1	7.0	5.9	1.9	3.4	2.2	1.3	1.1	:1	.0	.0	:0	.0	.0	.0	.0	.0	.0	409	4
8-9	.0	:4	1.0	2.9	1.5	3.8	3.1		1.7	.6	.2	.3	.2	.0	.0	.0	.0	.0	.0	366 193	9
12-13	.0	.0	.0	.4	.6	.7	.9	.6	1.1	.4	.4	.2	.3	.0	.0	.0	.0	.0	.0	105	13
NOET	1.1	1.6	1.3	2.8	1.8	1.3	2.7	.9	1.3	:3	:4	.1	.0	:0	.0	:0	.0	.0	.0	296	17
TOTAL	1.8	131	12.8	393	15.6	12.0		101	151	40	31	19	17	0	0	0	0	0	0	1900	8

PERIOD: (PRIMARY) 1928-1973 (OVER-ALL) 1856-1973

TABLE 1

AREA 0001 AZORES 38.0N 26.6W

PERCENT	FREDUENCY	ne.	MEATHER	OCCURRENCE	AY	MIND	DIRECTION

			P	RECIPI	TATTO	TYPE					OTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	NO SIG WEA
N NE	2.8	1.2	3.2	.0	.0	.0	.0	6.8	6.2	.3	1.5	.0	.8	.0	84.7
NE	1.3	1.6	1.1	.0	.0	•0	.0	3.9	3.6	.0	.9	.0	.0	.0	91.6
E	2.0	1.3	3.0	.0	.0	•0	.0	6.2	4.5	.0	1.3	.0	.7	.0	87.3
SE	4.2	1.4	2.2	.0	.0	•0	.0	7.8	5.5	.4	2.1	.0	.9	.0	83.3
5	6.4	2.0	3.8	.0	.0	•0	.0	11.7	6.2	.9	1.1	.0	1.2	.2	78.7
SW	5.1	3.0	1.7	.0	.0	•0	.0	9.8	7.1	.9	2.3	.0	2.4		77.6
×	3.3	3.2	.9	.0	.0	•0	.0	7.1	5.1	1.0	.8	.0	2.0	.0	84.2
NW	3.6	2.8	2.2	.0	.0	•0	.0	8.1	5.4	.5	1.3	.0	.2	.0	84.8
VAR	.0	.0	.0	.0	.0	.0	.0	.0	•0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	•0	.0	.0	.0	.0	6.8	.0	4.5	.0	88.6
TOT PCT	3.8	2.3	2.1	.0	.0	.0	.0	8.0	5.6	.6	1.5	.0	1.4	•	83.0

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

						uce	Lucado		ATTICK OCCO	WE HEE					
			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHENO	MENA	
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRIN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNDW	NO SIG WEA
00603 06609 12615 18621	3.5 4.8 3.8 3.0	2.7 2.1 1.4 2.9	2.5 2.3 1.7 1.9	.0	.0	•0	.0	8.7 8.8 6.8 7.5	5.9 7.0 5.4 3.9	1.2 .9 .0	.7 2.0 1.4 2.0	.0	1.4 .9 1.4 1.6	.0 .1 .0	82.3 80.3 85.1 84.7
TOT PCT TOT DBS:	3.8	2.3	2.1	.0	.0	•0	•0	7.9	5.5	.6	1.5	.0	1.3	•	83.2

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

				ED (KN	ntes								HOUSE	(GMT)			
WND DIR	0-3				34-47	48+	TOTAL	PCT	MEAN SPD	00	03	06	09	12	15	18	21
N NE	.4	2.4	2.8	1.3	.5	.1		7.5	15.8	7.8	6.1			6.4	8.6		
E	.5	3.3	3.8	.7	.1	.0		8.4	12.6	8.1	8.7	8.4	8.0	9.2	7.5	8.4	7.8
SE	.2	3.0	3.4	1.1	.1			7.8	14.2	8.8	6.5	7.1	5.8	7.7	6.9	9.8	6.7
S	.4	3.8	6.0	2.3	.3	.0		12.8	15.3	14.1	11.7	13.2	9.4	12.6	13.1	12.4	15.1
SW	.5	4.8	9.2	5.4	1.3			21.2	18.1	22.4	25.3	20.6	21.8	21.5	18.7	20.9	19.3
W	.4	4.7	8.1	5.0	1.2	.1		19.5	18.1	19.1	15.4	19.6	22.9	22.8	19.5	18.1	17.2
NW	.3	3.4	4.8	3.0	.8	.1		12.4	17.6	10.0	16.0	11.8	13.3	9.5	15.9	13.5	15.2
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.6							1.6	.0	1.3	1.3	2.4	1.8	1.1	1.9	1.5	2.0
TOT OBS	212	1320	1922	931	216	15	4616		16.1	702	298	932	329	739	320	989	307
TOT PCT	4.6	28.6	41.6	20.2	4.7	.3		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WND DIR	0-6		SPEED 17-27		41+	TOTAL	PCT	MEAN SPD	00	HDUI 06 09	12 15	18 21
N NE	1.3	3.3	1.9	.8	.2		7.5	15.8	7.3	8.3	7.0	7.1
	1.6	4.8	1.4	.4			8.4	12.6	8.3	8.3	8.7	8.3
E SE	.9	4.4	2.0	.6			7.8	14.2	8.1	6.7	7.4	9.1
S	1.9	5.4	4.7	.9	.0		12.8	15.3	13.4	12.2	12.7	13.1
SW	2.0	7.7	7.9	3.2	.3		21.2	18.1	23.2	20.9	20.7	20.5
W	2.0	7.2	7.2	2.9	.3		19.5	18.1	18.0	20.5	21.8	17.9
NW	1.4	4.7	4.0	2.0	.3		12.4	17.6	11.8	12.2	11.5	13.9
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	1.6		1				1.6	.0	1.3	2.2	1.3	1.6
TOT OBS	661	1927	1438	528	62	4616		16.1	1000	1261	1059	1296
TOT DET												

PERIOD: (PRIMARY) 1928-1973 (OVER-ALL) 1856-1973

TABLE 4

AREA 0001 AZORES 38.0N 26.6W

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10		SPEED (*NOTS)	48+	HEAN	PCT	TOTAL
60300	1.3	2.4	26.0	45.5	20.6	4.1	.1	16.4	100.0	1000
90300	2.2	2.9	29.7	40.0	19.8	4.8	.5		100.0	1261
12615	1.3	2.8	29.1	42.7	19.1	4.6	.4	16.0	100.0	1059
18621	1.0	3.5	29.2	39.4	21.1	5.0	. 3	16.3	100.0	1296
TOT	76	136	1320	1922	931	216	15	16.1		4616
PCT	1.6	2.9	28.6	41.6	20.2	4.7	.3		100.0	

TABLE 5

TARIF 6

,	CT FRE			LOUD A		EIGHTHS)			PERCEN		REQUEN		CEILIN NH <5/					
WND DIR	0-5	3-4	5-7	8 & 085CD	TOTAL	COVER	000 149	150	300 599	600 999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL
N	1.4	1.7	2.0	1.4		4.7	.0		.1	.6	1.2	.5	.2	.1	.0	.0	3.9	
NE	1.7	1.4	3.6	2.0		5.1	.1		. 1	.9	1.7	1.0	.3	.2		.0	4.3	
3	1.7	1.2	3.4	3.1		5.5	.1		.1	.9	2.2	1.2	.7	.1			4.0	
SE	1.0	1.1	2.7	3.9		6.1		.0	.2	1.3	1.6	1.3	.3	.1	.1	*	3.5	
S	1.4	1.4	4.6	5.8		6.2	.1	.2	.6	1.9	2.7	1.5	.6	.2		.2	5.1	
SW	2.9	3.0	7.7	8.0		5.8	.1	.2	.5	3.4	4.0	1.8	.8	.3	.1	.4	10.0	
	4.0	4.9	7.2	4.8		5.0		.2	.3	1.9	4.1	1.7	.7	.2	.0	.2	11.5	
NW	1.9	3.2	3.1	1.5		4.5	.0	.1	.1	.6	1.8	.6	.2	.1	.0		6.2	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.5	.3	.3	.3		4.4		.0	.0	.2	.2		.0	.0	.0		.9	
TOT OBS	399	445	839	753	2436	5.4	13	15	50	285	484	238	89	29	7	23	1203	2436
TOT PCT	16.4	18.3	34.4	30.9	100.0		.5	.6	2.1	11.7	19.9	9.8	3.7	1.2	.3	.9	49.4	100.0

TABLE 7

CUMULATIVE	PCT	FREQ	QF	SIMULTANE	DUS	OCCUR	RENCE
DE CETITI	UC HI	FIGHT	CNE	1 34/81 AN	n V	SRY IN	M)

					VSBY (NM)			
	CEILING	- OR	- OR	. OR	- GR	= GR	. DR	· DR	= DR
	(FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
. 0	R >6500	.9	1.2	1.3	1.3	1.3	1.3	1.3	1.3
. 0	R >5000	1.5	2.2	2.4	2.4	2.4	2.4	2.4	2.4
. 0	R >3500	4.2	5.9	6.2	6.2	6.2	6.2	6.2	6.2
. 0	IR >2000	10.6	15.3	15.8	15,8	15,8	15.8	15.8	15.8
. 0	R >1000	23.6	33.9	35.5	35.5	35.5	35.5	35.5	35.5
. 0	R >600	30.9	44.8	47.0	47.1	47.1	47.2	47.2	47.2
. 0	R >300	31.6	46.5	48.9	49.1	49.1	49.2	49.2	49.2
. 0	IR >150	31.8	47.0	49.5	49.8	49.8	49.8	49.8	49.8
. 0	IR > 0	31.9	47.2	49.8	50.2	50.2	50.2	50.2	50.3
	TOTAL	782	1159	1222	1231	1232	1233	1233	1235

TOTAL NUMBER OF OBS: 2454

PCT FREQ NH <5/8: 49.7

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 OBSCO OBS 7.4 8.6 10.9 12.6 9.5 7.2 10.0 10.4 23.1 .2 2632

PERIOD:	(PRIMARY)	1928-1973
	COVER-ALL!	1856-1973

TABLE 8

AREA 0001 AZORES 38.00 26.6W

								DEE 0					-0.
		P	ERCENT	PREC	OF WIN	D DIRE	CTIUN TH VAR	VS DCC	URRENC	E DR N	IBILI	CURRENC	E OF
VSBY (NM)		N	NE	£	SE	s	SW		NW	VAR	CALM	PCT	TOTAL
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	NO PCP	.0	.0	.0	.0			.0		.0	.0	.1	
	TOT &	.0	.0	.0	.0			.0		.0	.0	.1	
	PCP	.0	.0		.0	.1	.1	.0	.0	.0	.0	.2	
1/2<1	NO PCP		.1		. 1		.2	.1		.0		.6	
	TOT %		• 1	.1	.1	.1	.3	.1		.0		.8	
	PCP		.0	.0	.1	.1	.1	.0		.0	.0	.3	
1<2	NO PCP		.0	.0	.0	.0				.0	.0		
	TOT &		.0	.0	.1	.1	.1			.0	.0		
	PCP		.0		.1	.2	.5	.2	.2	.0	.0	1.3	
2<5	NO PCP	.1	.1		. 3	.3	. 8	.6		.0	.1	2.4	
	101 %	.1	.1	.1	.4	.6	1.4	.8	.2	.0	.1	3.7	
	PCP	.2	.2	.3	.3	1.0	1.1	.7	.3	.0	.0	4.2	
5<10	NO PCP	1.0	1.4	1.6	1.4	3.1	6.2	3.7	1.6	.0	.2		
	TOT %	1.1	1.6	1.9	1.7	4.1	7.3	4.4	1.9	.0	.2	24.4	
	PCP	.2	.1	.2	.1	.2	.4	.6	.3	.0	.0	2.1	
10+	NO PCP	4.9	6.8	7:0	6.0	8.3	12.4	14.4	7.7	.0	1.1	68.5	
	TOT %	5.1	6.9	7.2	6.1	8.5	12.7	15.0	8.0	•0	1.1	70.6	
	TOT OBS												3017
	TOT PCT	6.4	8.6	9.2	8.5	13.4	21.9	20.4	10.1	.0	1.5	100.0	

				PERCEN	WITH V	ARYING	VALUE	S OF V	VISIBIL	ITY	EU		
VSBY (NM)	SPD KTS	N	NE	E	SE	s	SW	W	NW	VAR	CALM	PCT	TOTAL
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	.0	.0	.0	.0	*	.0	.0	.0	.0			
	11-21	.0	.0	.0		*		.0	.0	.0		.1	
	22+	.0	.0	.0	.0		.0	.0		.0		.1	
	TOT %	.0	.0	.0		.1		.0		.0	.0	.2	
	0-3		.0	.0	.0	.0	.0			.0		.1	
1/2<1	4-10	.0	.0	.0		.0	.1		.0	.0		.1	
	11-21	.0	.1	.1	*	*	.1	.1		.0		.4	
	22+	.0	.0	.0		.1	.1	.0	.0	.0		.1	
	TOT %		.1	.1	.1	.1	.3	.1		.0		.8	
	0-3		.0	.0	.0	.0	.0	.0		.0	.0		
1<2	4-10	.0	.0				.1	*	.0	.0		.1	
	11-21		.0	.0	.0	.0	.1	.0		.0		.1	
	22+	.0	.0	.0	.1		.1	.0	.0	.0		.2	
	TOT %		.0		.1	.1	.2			.0	.0	.4	
	0-3	.0	.0	.0	.0	.0	.0	.0		.0	.1	.1	
2<5	4-10		.1	.0		.1	.1	.2		.0		.5	
	11-21		.1		.2	.3	.4	.4	.2	.0		1.6	
	22+	.1	*		.2	.3	.8	.4	.1	.0		2.0	
	TOT %	.1	.1	.1	.4	.7	1.3	1.0	.4	.0	.1	4.2	
	0-3		.2	.7	.0	.1	.1	.0	.1	.0	.2		
5<10	4-10	.3	.5	.7	.3	.7	.8	.8	.5	.0		4.6	
	11-21	.5	.5	.7	.8	1.7	2.7	1.4	1.0	.0		9.3	
	22+	.4	.3	.1	.5	1.3	3.3	2.1	1.1	.0		9.3	
	TOT %	1.2	1.5	1.7	1.6	3.8	6.9	4.4	2.7	.0	.2	24.0	
	0-3	.3	.1	.3	.2	.2	.3	.3	.2	.0	1.2	3.1	
10+	4-10	2.1	2.6	2.6	2.8	2.8	3.5	3.4	2.6	.0		22.3	
	11-21	2.3	2.8	3.3	2.4	4.0	6.3	6.7	4.0	.0		31.9	
	22+	.9	1.0	.6	.6	1.1	2.6	4.2	2.1	.0		13.1	
	TOT %	5.6	6.6	6.9	6.0	8.1	12.7	14.6	8.9	.0	1.2	70.5	
	OT 085												3718
T	OT PCT	6.9	8.3	8.7	8.1	12.9	21.5	20.1	12.1	.0	1.5	100.0	

PERIOD: (PRIMARY) 1928-1973 (QVER-ALL) 1856-1973 TABLE 10

AREA 0001 AZORES 38.0N 26.6W

PERCENT FREQUENCY OF CEILING HFIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000	150	300 599	909	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL
00603	. 8	1.0	1.0	9.4	21.5	7.9	3.5	1.2	.2	.8	47.4	52.6	604
06609	.9	.5	1.3	14.6	17.7	10.9	3.0	.9	.4	.2	50.4	49.6	560
12615	.4	.6	2.6	12.4	18.2	9.4	4.2	.9	.3	1.2	50.1	49.9	692
16621	.0	.3	2.8	9.0	19.4	9.5	3.6	1.8	.3	1.5	48.1	51.9	676
TOT	13	15	2.0	286	486	238	3.6	30	.3	24	1240	1292	2532

TABLE 11

TABLE 12

		PERCENT	FREQUEN	CY VSB1	(NM)	BY HOUR		CUMULAT					VSBY (NM)	
HOUR (GHT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL
00603	.1	.5	.2	3.6	23.1	72.5	862	00603	.9	2.9	15.3	34.7	50.1	577
90300	.1	.6	.3	4.7	25.5	58.7	969	90360	.9	2.8	20.9	32.1	46.9	535
12615	.2	.8	.8	3.4	21.1	73.8	911	12615	.4	3.5	18.6	33.3	48.1	678
18621	.2	1.2	.4	4.8	25.4	68.0	1015	18621	.0	3.3	14.0	35.1	50.9	664
TOT	.2	29	16	157	896 23.8	2653	3757 100.0	TOT	13	78 3,2	419 17.1	831	1204	2454

.....

TABLE 1

	PERCI	ENT FR	EQUENC	Y DF RE	ELATIVE	HUMI	DITY 8	Y TEMP				PERC	ENT FR	EQUENC	Y OF W	IND DI	RECTIO	N BY T	EMP	
TEMP F								90-100	TOTAL	PCT	N	NE	E	SE	s	SW	w	NW	VAR	CALM
70/74	.0	.0	.1		.0	.1	.0		6	.2	.0			.0	.1		.1	.0	.0	.0
65/69	.0	.0	.1	.2	.6	1.4	1.8	.7	123	4.8	.2	.3	.2	.3	. 8	1.8	1.2	.1	.0	
60/64	.0		.2	1.2	5.1	11.1	19.7	11.2	1233	48.5	1.2	2.6	3.6	5.1	9.5	14.6	8.4	2.6	.0	.9
55/59	.0	.0		1.9	7.6	13.6	12.5	6.7	1077	42.3	3.9	5.7	4.6	3.2	3.5	5.5	9.1	6.2	.0	.7
50/54	.0	.0	.0	.2	.6	. 8	1.4	1.1	104	4.1	.7	.2	.4	.1		.4	1.1	1.1	.0	.0
45/49	.0	.0	.0	.0	.0		.0		1		.0	.0	.0	.0	.0	.0	*	.0	.0	.0
TOTAL	0	1	10	91	353	686	900	503	2544	100.0										
PCT	.0		.4	3,6	13.9	27.0		19.8			6.1	8.9	8.8	8.6	13.9	22.4	19.9	9.9	.0	1.6

TABLE 15

	MEANS,	EXTREM	ES AND	PERCEN	TILES	OF TE	MP (DE	G F) 8	Y HOUR	PERCENT FREQUENCY OF RELATIVE HUMIDITY BY	HOUR
HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL	HDUR 0-29 30-59 60-69 70-79 80-89 90-100 M	MEAN TOTAL OBS
£0300	69	64	63	59	54	51	49	58.8	993 1252	00603 .0 2.6 13.6 26.2 37.0 20.7 06609 .0 1.9 10.1 28.1 36.1 23.8	81 627 82 634
12615	73	68	66	61	55	52 52	50	60.7	1040	12615 .0 6.1 16.5 27.2 32.6 17.6 18621 .0 5.8 15.9 26.8 34.9 16.6	79 659 79 656
TOT	73	68	64	60	55	51	47	59.7	4552	TOT 0 106 362 697 905 506	80 2576

PERIOD: (PRIMARY) 1928-1973 (OVER-ALL) 1856-1973

TABLE 17

AREA 0001 AZORES 38.0N 26.6W

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	45	49 52	53 56	57 60	61	65	69 72	73 76	TOT	FOG	FOG
14/16	.0	0	.0	.0	.0	.0	.0		1	.0	
11/13	.0	.0	.0	.0			.1	.0	5	.0	.2
9/10	.0	.0	.0		.1	.2	.3		19	.0	.7
7/8	.0	.0	.0	.0	.1	.5	.1	.0	22	.0	. 8
6	.0	.0	.0	.1	.3	.5	.0	.0	27	.0	1.0
5	.0	.0		.2	1.1	.7		.0	57		2.0
4	.0	.0	.0	.4	3.1	.7	.0	.0	115	.1	4.1
3	.0	.0		1.1	4.3	.8	.0	.0	172		6.3
2	.0	.0	.1	3.0	7.5	.5	.0	.0	305	.3	10.9
1	. 0	.1		5.3	6.0	.3		.0	321	.3	11.4
0	.0	.0	.4	9.5	5.7	.1	.0	.0	429	.3	15.4
0	.0	.0	1.2	9.3	2.2	.1	.0	.0	350	.2	12.6
-2	.0	.0	1.6	7.5	1.4	.1	.0	.0	288	.1	10.4
-2 -3	.0		2.4	4.9	.6	.0	.0	.0	219	.1	7.9
-4	.0		2.0	2.8	.5	.0	.0	.0	145	.1	5.2
-5	.0	.2	1.9	1.4	.3	.0	.0	.0	101		3.7
-6	.0	. 3	1.0	.6		.0	.0	.0	56	.0	2.0
-7/-8		.7	. 8	. 8	.2	.0	.0	.0	72	.0	2.0
-9/-10	.0	.3	.2	.2	.1	.0	.0	.0	19	.0	.7
-11/-13	.0	.2	.1	.1	.1	.0	.0	.0	13	.0	.5
TOTAL	1		324		924		.5			46	2690
		48		1295		127		.1	2736		
PCT		1.8	11.8	47.3	33.8	4.6	.5	.1	100.0	1.7	98.3

PERIOD: (OVER-ALL) 1963-1973

				PC	T FREQ	OF WIND	SPEED	(KTS)	AND DIRE	CTION V	ERSUS S	EA HEIG	HTS (FT		
HGT	1-3	4-10	11-21	N 22-33	34-47	48+	PCT		1-3	4-10	11-21	NE 22-33	34-47	48+	PCT
<1	.0	.3	.1	.0	.0	.0	.4		.1	.6	.1	.0	.0	.0	.8
1-2	.1	.6	.1	.0	.0	.0	.8		:1	1.5	.8	.0	.0	.0	2.4
3-4	.0	.6	.7	.1	.0	.0	1.4		.0	.9	1.6	.4	.0	.0	2.9
5-6	.0	.1	.4	.1	.0	.0	.6		.0	.1	1.0	.2	.0	.0	1.3
7	.0	.0	.4	.0	.0	.0	.4		.0	.0	.6	.2	.0	.0	.8
8-9	.0	.0	.3	.1	.0	.0	.4		.0	.0	.2	.3	.0	.0	.5
10-11	.0	.0	.0	.1	.2	.0	.3		.0	.0	.1	.1	.0	.0	.2
12	.0	.1	.0	.0	.0	.0	.1		.0	.0	.0	.3	.1	.0	.4
13-16	.0	.0	.0	.1	.0	.0	.1		.0	.0	.0	.1	.1	.0	.2
17-19	.0	.0	.0	.0	.1	.0	.1		.0	.0	.0	.0	*	.0	*
20-22	.0	.0	.0	.0	.1	.0	:1		.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	:0		.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	:0		.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0		.0		.0	.0	.0	.0	.0		.0
TOT PCT	.1	1.7	2.0	.5	.3	.0	4.6		.2	3.2	4.3	1.6	.2	.0	9.5
HGT	1-3	4-10	11-21	£ 22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.6	.0	.0	.0	.0	7		.0	.5	.0	.0	.0	.0	.5
1-2	.0	1.8	1.0	.0	.0	.0	2.8		.1	1.3	-7	.0	.0	.0	2.1
3-4	.0	1.3	3.0	.3	.0	.0	4.6		.0	.9	1.9	.2	.0	.0	3.0
5-6	.0	.0	1.2	.1	.0	.0	1.3		.0	.1	1.6	.4	.0	.0	2.1
7	.0	.0	.6	.1	.0	.0	.7		.0	• 2	5	.7	.0	.1	1.4
8-9	.0	.0	.3	.2	.0	.0			.0	.0	.0		.0	.0	
10-11	.0	.0	.1	.2	.0	.0	.2		.0	.0	.0	.1	.0	.0	.1
12	.0	.0	.0	.1	.1	.0	.1		.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.1	.1	.0	.1		.0	0	.0	.1	.0	.0	.1
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
TOT PCT	.1	3.7	6.3	1.0	:1	:0	11.1		:1	3.0	4.7	1.5	:0	:1	9.4

252100.	1005		1017						MARCH						470000	
PERIOD:	(UAE)	K-ALLI	1963-1	1973				TABLE	18 CONT)			AKEA	38.		.6W
				PC	T FREG OF	HIND	SPEED	(KTS)	AND DIRE	CTION	VERSUS	SEA HEIG	HTS IFT)		
				s								SW				
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10			34-47	48+	PCT	
<1	.2	.5	.3	.0	.0	.0	1.0		.2	. 8		.0	.0	.0	1.0	
3-4	.1	1.0	2.0	.0	.0	.0	3,1		.2	1.3			.0	.0	2.5	
5-6	.0	.1	1.7	.2		.0	1.9		.0	1.4		1.5	.0	.0	5.2	
7	.0	.0	.9	.7	.0	.0	1.7		.0	.4		1.2	.1	.0	3.2	
8-9	.0	.0	.3	.2	.0	.0	1.5		.0	.0			::	.0	1.5	
10-11	.0	.0	.0	.1	.1	.0	.2		.0				.7		2.0	
12	.0	.1	.0	.1	.0	.0	.2		.0				.2	.0	.7	
13-16	.0	.0	.0	:1	.1	.0	.1		.0				.6		1.4	
17-19	.0	.0	.0	.0	.0	.0	.0		.0				.3	.1	.4	
20-22	.0	.0	.0	.0	.0	.0	.0		.0				.1	.0	.1	
23-25	.0	.0	.0	.0	.0	.0	.0		.0				.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0			.1	.0	.1	
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0		.0	0	0		.0	.0	.0	
TOT PCT	.3	2.6	6.1	1.5	.2	.0	10.8		.3	3.9			2.1	.1	23.6	
												NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.2	.5	.2	.0	.0	.0	. 8		.1	. 2	.1	.0	.0	.0	.3	
1-2	.1	1.6	.7	.0	.0	.0	2.4		.1	1.3	6		.0	.0	2.0	
3-4	.0	1.6	3.1	.3	.0	.0	5.1		.1	1.4		. 2	.0	.0	2.6	
5-6	.0	.2	3.3	1.2	.1	.0	4.9		.0	.1	.9		.0	.0	1.3	
7	.0	.0	1.4	1.2	.3	.0	2.9		.0	. 2	5	.5	.0	.0	1.1	
8-9	.0	.1	.9	.7	.0	.0	1.7		.0	.0	.1	.1	.0	.0	.2	
10-11	.0	.0	.2	.5	.2	.0	1.0		.0	.0			.0	.0	.1	
12	.0	.0	.3	.2	.4	.0	1.0		.0				.0	.0	.3	
13-16	.0	.0	.1	.6	.2	.1	.9		.0	. (.1	.0	.2	
17-19	.0	.0	.1	.1	.1	.0	. 2		.0	.0			.0	.0	.0	
20-22	.0	.0	.0	.1	.0	.0	.1		.0	• 0			.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0		.0	• (.1	.0	.1	
26-32	.0	.0	.0	.0	.0	.0	.0		.0	. (.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0		.0	• (.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	. 0		.0	.0			.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0		.0	• 0			.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0		.0	• 0			.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0		.0	•0			.0	.0	.0	
87+ TOT PCT	.0	.0	.0	4.9	0	.0	.0		.0				.0	.0	.0	98.0
idi PCI	. 3	4.0	10.3	4.9	1.2	• 1	20.8		.3	3.1	3.1	1.5	.2	.0	8.2	90.0

	MIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	3.5	3.9	.9	.0	.0	.0	8.3	
1-2	. 8	10.4	5.8	.0	.0	.0	16.9	
3-4	.1	R.9	16.9	2.2	.0	.0	28.1	
5-6	.0	1.1	13.2	4.1	.1	.0	18.5	
7	• 0	. 3	6.7	4.5	.5	.1	12.1	
8-9	.0	.1	2.4	2.7	.1	.0	5.3	
10-11	.0	.0	.8	2.1	1.1	.0	4.0	
12	.0	.2	.4	1.3	.8	.0	2.7	
13-16	.0	.0	.2	1.7	1.0	.1	3.0	
17-19	.0	.0	.1	.1	.4	.1	.7	
20-22	• 0	.0	.0	.1	.2	.0	.3	
23-25	.0	.0	.0	.0	.1	.0	.1	
26-32	.0	.0	.0	.0	.1	.0	.1	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	0	
71-86	.0	.0	.0	.0	0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								1157
TOT PCT	4.4	24.9	47.3	18.8	4.4	.3	100.0	

PE	RIOD:	(OV	R-ALL	194	9-1973	3				TABLE	19											
						PERCEN	T FRE	OUENCY	OF WA	VE HEI	GHT (F	T1 VS	WAVE P	ERIOD	(SECON	051						
PER I		<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN
6-	_	1.4	5.7	9.1	5.1	2.3	.9	.5	•2	.2	.0	.0	.0	.0	.0		.0	.0	.0	.0	545	4
		.0	.7	3.7	6.3	5.2	2.9	1.8	.9	.9	.1	.2	.1	.0	.0	.0	.0	.0	.0	.0	492	7
8-	9	.0	.0	1.4	2.3	4.8	4.0	2.6	2.0	1.9	.4	.3	.1	.1	.0	.0	.0	.0	.0	.0	428	9
10-	11	.0	.1	.4	1.3	1.2	2.3	2.3	1.3	1.7	.4	.2	.1	.0	0	.0	.0	.0	.0	.0	243	10
12-	13	.0	.0	.2	.5	.3	.4	.8	.7	1.1	.1	.2	*	.1	.0		.0	.0	.0	.0	95	11
>1		.0	.0	.0	.2	.2	.2	.4	.6	.5	.0	.2	.1	.1	.0	.0	.0	.0	.0	.0	52	13
IND	ET	1.7	1.0	2.4	2.6	2.1	1.2	1.0	.5	. 8	.4	.2		.0	*	.0	.0	.0	.0	.0	298	6
TOT	AL	67	162	369	391	345	254	203	133	151	30	30	10	7	1	0	0	0	0	0	2153	7
PC	T	3.1	7.5	17.1	18.2	16.0	11.8	9.4	6.2	7.0	1.4	1.4	.5	.3		.0	.0	.0	.0	.0	100.0	

D			

PERIOD:	(PRIMARY)	1929-1973
	(DVER-ALL)	1857-1974

TABLE 1

AREA 0001 AZORES 38.0N 26.6W

PERCENT	FREQUENCY	DF	WEATHER	DECURRENCE	BY	WIND	DIRECTION

					EKCEM	PREQU	ENCT	IF WEATHER	DECORRENCE		NO DIK	ECTUR			
			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	DTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST BLWG SNDW	NO SIG WEA
N NE	:2	2.3	1.5	.0	.0	•0	.0	3.6	2.5	.0	.8	.0	:7	.3	92.2
E SE	2.3	1.6	2.7	.0	.0	•0	.0	5.7	3.6	.7	1.6	.0	2.1	.0	89.6
S	3.0	1.5	3.1	.0	.0	•0	.0	8.0	3.4	.1	1.0	.0	.7	.0	86.7
SW	2.6	1.5	1.6	.0	.0	.0	.0	9.3	3.4	.3	1.8	.1	3.4	.0	81.7
VAR	.7	1.6	1.3	.0	.0	•0	.0	3.6	4.1	.0	.9	.0	.6	.1	90.6
CALM	3.3	.0	.0	.0	.0	.0	.0	3.3	1.7	.0	1.7	.0	3.3	.0	90.0
TOT PCT	2.4	1.5	2.3	.0	.0	.0	.0	5.9	3.3	.2	1,2	.1	1.8		87.6

TABLE 2
PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			P	RECIPI	TATIO	TYPE					OTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	NO SIG WEA
00603 06609 12615 18621	1.3 2.5 2.9 2.6	1.6 1.5 1.7 1.6	1.4 2.7 2.4 2.7	.0	.0	•0	.0	4.3 6.4 6.5 6.7	3.4 4.3 2.2 3.1	.3 .1 .0	1.3 1.9 .8	.1 .1 .0	1.1 1.8 1.3 2.6	.0 .0 .0	89.6 85.2 89.0 86.6
TOT PCT	2.3	1.6	2.3	.0	.0	•0	.0	6.0	3.2	.2	1.2	•1	1.7		87.6

TABLE 3
PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

								***************************************	A STATE OF THE STA								
		WI	ID SPE	ED CKNO	1275								HOUR	(GMT)			
WND DIR	0-3			22-33		48+	TOTAL	FREQ	MEAN	00	03	06	09	12	15	18	21
N NE	.5	3.9	4.2	1.5	.2	.0		10.3	13.9	7.7	10.0	10.4				9.1	9.9
E	.4	4.7	3.7	.6	.0	.0		9.4	11.5	9.6	8.2	9.2	8.5	9.5	9.1	10.7	7.6
SE	.3	4.2	3.6	.5		.0		8.6	11.7	9.4	9.2	7.6	7.8	9.6	6.8	9.4	7.2
5	.7	4.3	6.0	1.8	.2	.0		13.0	13.9	14.9	10.1	13.4	8.4	15.3	13.1	12.5	10.9
SW	. 8	6.0	6.8	3.0	.4			17.0	14.5	18.2	18.0	18.0	17.9	15.4	16.9	15.9	17.4
W	.6	5.0	6.5	3.3	.7	.1		16.2	16.1	17.1	12.2	16.6	13.4	16.1	13.5	17.5	17.7
NW	.4	3.8	5.8	2.1	.7	.1		12.8	16.2	10.3	18.3	12.6	17.7	10.6	15.7	11.5	16.2
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	2.4							2.4	.0	2.6	2.1	3.3	1.1		.7	2.2	3.4
TOT DBS	273	1563	1756	581	95	9	4277		13.7	665	280	845		734	274	911	291
TOT PCT	6.4	36.5	41.1	13.6	2.2	.2		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

					TAB	LE 3A						
WND DIR	0-6	7-16	SPEED 17-27	(KNDTS) 28-40	41+	TOTAL	PCT	MEAN SPD	00	HDUR 06 09	12 15	18 21
N NE	2.0	5.0	2.6	:7	:1		10.3	13.9	8.4	11.6	11.9	9.3
SE S	2.2	5.3	1.7	•2	.0		9.4	11.5	9.2	7.6	9.4	9.9
SW	2.1	8.6	3.4	1.2	.0		13.0	13.9	13.5	12.2	14.7	12.1
NW	1.6	6.8	3.4	1.8	.3		16.2	16.1	15.6	15.8	15.4	17.6
CALM	2.4	.0	.0	.0	.0		2.4	.0	2.4	2.8	1.8	2.5
TOT PCT	19.2	2133	23.7	282	28	4277	100.0	13.7	100.0	1122	1008	1202

APRIL

PERIOD: (PRIMARY) 1929-1973 (OVER-ALL) 1857-1973

TABLE 4

AREA 0001 AZDRES 36.0N 26.6W

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10		SPEED (48+	MEAN	PCT	TOTAL
. John	CALI		4-10	**		24-41	404	HE MI	. KE	003
00603	2.4	3.7	38.6	39.8	13.0	2.3	.1	12.4	100.0	945
90300	2.8	4.8	38.9	39.0	12.1	2.1			100.0	1122
			205400							
12615	1.8	4.2	32.3	45.0	13.9	2.6	. 2	14.4	100.0	1008
18821	2.5	3.3	36.2	40.6	15.1	1.9	.3	13.9	100.0	1202
TOT	102	171	1563	1756	581	95	9	13.7		4277
DOT	2 6	1 0	24 .			2 4	•			

TARIE

. . . .

,	CT FRE			LOUD A		(EIGHTHS)							CEILIN NH <5/					
WND DIR	0-2	3-4	5-7	8 6	TOTAL	CLOUD COVER	000 149	150	300 599	999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	
N	1.6	2.0	3.3	2.0		5.1		.0	.2	.7	1.4	1.1	.4	.1	.0	.1	4.9	
NE	1.5	2.3	4.4	2.5		5.4	.1		.2	1.0	2.5	1.2	.3	.3		.1	5.1	
E	1.8	2.0	3.5	2.7		5.2	.0	. 1	.2	. 8	2.2	1.0	.3	.1	.0	.0	5.3	
SE	1.7	1.2	3.0	2.8		5.4	.2		.3	.9	1.1	1.0	.4	.3			4.4	
S	2.0	2.2	4.4	5.6		5.8	.1	.1	.4	1.9	2.7	1.8	.6		.1	.1	6.2	
SW	2.6	2.5	5.4	4.9		5.4	.1		.4	1.6	2.7	1.4	.7	.2	.1	.1	8.0	
	3.6	4.8	5.9	4.7		5.0	.2	.0	. 5	2.0	3.3	1.6	.3	.2	.1	.1	10.7	
NW	2.1	2.9	3.7	1.9		4.A	.0		.2	. 8	1.8	.9	.4	.1	.0	.1	6.2	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	1.3	.2	.3	.5		3.2	.0	.0	.0	. 2	.3	.1		.0		.0	1.7	
TOT OBS	419	464	783	639	2305	5.2	18	9	55	232	414	230	79	31	9	15	1213	2305
TOT PCT	18.2	20.1	34.0	27.7	100.0		.8	.4	2.4	10.1	18.0	10.0	3.4	1.3	.4	.7	52.6	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

				VSBY (N	4)			
CEIL	ING . DR	= OR	. OR	= DR	· DR	- OR	- OR	= DR
(FEE	T) >10	>5	>2	>1	>1/2	>1/4	>50YD	>0
. DR >6	500 .9	1.1	1.1	1.1	1.1	1.1	1.1	1.1
* DR >5	000 2.0	2.4	2.4	2.4	2.4	2.4	2.4	2.4
= DR >3	500 4.9	5.7	5.9	5.9	5.9	5.9	5.9	5.9
# DR >2	000 12.5	15.3	15.7	15.8	15.8	15.8	15.8	15.8
. OR >1	000 25.3	32.5	33.4	33.6	33.7	33.7	33.7	33.7
. OR >6	00 31.3	41.9	43.3	43.6	43.6	43.7	43.7	43.8
* OR >3	00 32.3	44.0	45.8	46.0	46.1	46.1	46.2	46.2
= DR >1	50 32.5	44.3	46.2	46.4	46.5	46.5	46.6	46.6
= DR >	0 32.7	44.7	46.6	47.0	47.0	47.2	47.3	47.4
TO	TAL 764	1043	1088	1097	1098	1101	1105	1106

TOTAL NUMBER OF OBS: 2335

PCT FREQ NH <5/8: 52.6

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 0BSCD OBS 7.9 8.8 11.4 13.0 10.9 7.5 9.0 10.9 20.1 .4 2491

Δ	D	D	1	1	

									PRIL								
PER100:	(PRIMARY) 1 (OVER-ALL) 1	929-1973 857-1973						TA	BLE 8				ARE	A 0001	AZDRI	ES 26.6W	
			P	ERCENT	FREO PREC	OF WIN	D DIRE	CTIUN TH VAR	VS DCC	URRENC	E OR N	IBILI	CURRENC	E OF			
	VSBY (NM)		N	NE	F	SF	s	SW		NW	VAR	CALM	PCT	TOTAL			
	<1/2	PCP NO PCP TOT %	.0	.0	.0	• •	:1	:	.1	.0	.0	.0	.1				
	1/2<1	PCP NO PCP TOT %	.0	.0	.0	.0	:	.0 .1	.0 .1	.0	.0	.0	.3				
	1<2	PCP NO PCP TOT \$.0	.0	.0	.0	.1	.2	:1 :0 :1	.0	.0	.0	.4				
	2<5	PCP NO PCP TOT %	.0	.1	.2	.2	.2	.3	:4	.1 .1	.0	.0	1.2				
	5<10	PCP NO PCP TOT %	1.8	.2 1.7 1.8	1.4	1.5	2.9 3.4	.8 4.1 4.8	3.4 3.9	2.0	.0	.0 .1					
	10+	PCP NO PCP TOT \$	7:0 7.0	8.0 8.1	7:9 8.0	6.5	9.6 9.8	10.7 10.9	12.9 13.1	8.7 8.8	.0	1.9	1.3 73.1 74.4				
		TOT OBS	9.3	10.0	10.0	8.8	14.1	16.7	17.8	11.2	.0	2.1	100.0	2871			

4/

+

TABLE 9

				PERCEN	T FREC	OF WI	ND DIR	S OF V	VS WI	ND SPE	ED		
VSBY	SPD	N	NE	E	SE	s	SW	W	NW	VAR	CALM	PCT	TOTAL
	0-3	.0	.0	.0	.0		.0	.0	.0	.0	.0		
<1/2	4-10	.0		.0	.1			.1	.0	.0		.2	
	11-21	.0	.0	.0	.0	.0	.0			.0		.1	
	22+	.0	.0	.0	.0			.0	.0	.0		.1	
	TOT %	.0		.0	.1	•1		.1		.0	.0	.4	
	0-3		.0	.0	.0	.0	.0	.0		.0	.0		
1/2<1	4-10	.0	.0			.0			.0	.0		.1	
	11-21	.0	.0	.0	.0				.0	.0		.1	
	22+	.0	.0	.0	.0				.1	.0		.1	
	TOT %		.0				.1	.1	.1	.0	.0	.3	
	0-3		.0	.0	.0	.0	.0	.0	.0	.0	.0		
1<2	4-10	.0	.0	.0		.1	.1		.0	.0		.2	
	11-21	.0	.0	.0	.0	.0	.2		.0	.0		.2	
	22+		.0		.0	.1	.1		*	.0		.3	
	TOT %	.1	.0			•2	.3	.1		.0	.0	.8	
	0-3	.0	.0			.1	.0	.0	.0	.0		.1	
2<5	4-10	.1				.1	.2		.0	.0		.5	
	11-21		.1	.2	.2	.2	.3	.2	.1	.0		1.2	
	22+	.1		.1	.1	.2	.2	.3	.2	.0		1.1	
	TOT %	.2	.1	.3	.3	.6	.6	.5	.2	.0		3.0	
	0-3	.1	.1			.2	.1		.1	.0	.2		
5<10	4-10	.5	.7	.7	.5	1.0	1.5	.8	.6	.0		6.4	
	11-21	.8	.8	.7	1.0	1.6	1.9	1.5	.8	.0		9.1	
	22+	.5	.3	.1	1.7	.7	1.2	1.3	1.0	.0		5.3	
	TOT %	2.0	1.8	1.7	1.7	3.5	4.7	3.6	2.5	.0	.2	21.8	
	0-3	.2	.2	.3	.3	.5	.5	.5	.2	.0	2.0	4.7	
10+	4-10	3.1	3.7	3.8	4.0	3.3	3.6	4.0	2.8	.0		28.4	
	11-21	3.0	3.8	3.1	2.8	4.6	4.5	5.2	4.7	.0		31.8	
	22+	.9	.4	.3	.2	.9	1.6	3.1	1.6	.0	14. 4	9.0	
	TOT \$	7.2	8.1	7.6	7.3	9.3	10.2	12.7	9.4	.0	2.0	73.8	
	OT OBS												3544
T	OT PCT	9.5	10.1	9.6	9.5	13.8	16.0	17.1	12.2	.0	2.3	100.0	

PERIOD: (PRIMARY) 1929-1973 (OVER-ALL) 1857-1973

TABLE 10

AREA 0001 AZORES 36.0N 26.6W

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND DCCURRENCE OF NH <5/8 by HOUR

HOUR (GMT)	000	150 299	300 599	600	1000	2000 3499	3500 4999	5000	6500	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL
00803	1.1	.4	2.7	8.0	15.9	8.0	3.4	.9	.5	.7	41.3	58.7	566
90300	. 8	.4	2.0	10.1	18.8	9.7	3.6	2.2	.2	.4	48.0	52.0	506
12615	.9	.5	2.0	10.5	17.9	10.1	3.0	1.8	.2	.8	47.5	52.5	665
18621	.3	.3	2.8	10.2	17.2	10.9	3.4	.6	.6	.7	47.2	52.8	667
TOT	18	9	57	234	419	234	80	32	9	16	1108	1296	2404

TABLE 11

TABLE 12

		PERCENT	FREQUEN	CY VSB	(NM)	AY HOUR		CUMULAT					VSBY (NM)	
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL DBS
00603	.2	.1	.7	2.4	21.4	75.1	827	00603	1.1	4.2	14.0	29.0	57.0	544
06609	.7	.4	1.2	3.1	21.5	73.0	893	90809	1.0	3.5	15.1	34.8	50.1	491
12615	.3	.3	.7	3.4	19.7	75.6	893	12615	.9	3.7	16.0	33.1	50.8	649
18621	.2	.3	.5	3.2	25.5	70.3	994	18621	.3	3.7	16.1	32.9	51.0	651
TOT	13	11	28	110	79R 22.1	2647	3607 100.0	TOT	19	88	359	758 32.5	1218	2335

TABLE 13

TABLE 14

					ADLC 1	,									IADI					
	PERC	ENT FR	EQUENC	Y OF R	ELATIV	E HUMI	DITY B	Y TEMP	TOTAL	PCT		PERC	ENT FR	EQUENC	Y OF	IND DI	RECTIO	N BY	TEMP	
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100		FREQ	N	NE	E	SE	S	SW	W	NW	VAR	CALM
75/79	.0	.0	.0	.0	:	.0		.0	2	1:5	.0	.0		.0	.0	.0			.0	.0
65/69	.0		.1	.3	1.6		3.4	1.2	36 212	8.9	:4	. 7	1.2	.7	1.3	1.9	1.7	.6	.0	.3
55/59	.0			1.4	7.8		9.0	13.0	1424	59.7	3.6	3.7	2.8	1.3	10.5	12.4	10.6	5.7	.0	.9
50/54	.0	.0	.0		.1	.3	.3	.4	29	1.2	.1	.0	.1	.1	.1	*	.4	.4	.0	.0
PCT	.0		.3	2.7	350 14.7	27.7	838		2384	100.0	9.0	9.8	9.8	8.7	14.3	16.6	18.6	11.2	.0	2.1

TABLE 15

	MEANS,	EXTREM	ES AND	PERCEN	TILES	OF TE	MP (DE	G F) 8	Y HOUR		PERC	ENT FRE	QUENCY	OF RELA	TIVE H	YTIDINU	BY HOUR	
HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL	HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
00803	74	66	64	60	56 55	53	52 51	59.7	955	00603	.0	2.3	7.7	25.9	40.0	24.1	83	598
12615	75	71	68	62	57	55	53	62.2	984	12615	.0	4.6	12.4	26.1	36.3	23.2	82 78	548 630
18821	77	71	67	62	57	54	51	61.9	1183	18621	.0	3.5	19.6	29.3	32.4	15.2	79	652
TOT	78	70	66	61	56	54	51	60.9	4246	TOT	0	77	358	668	854	471	80	2428

APRIL

PERIOD: (PRIMARY) 1929-1973 (DVER-ALL) 1857-1973

TABLE 17

AREA 0001 AZDRES 38.0N 26.6W

PCT	FREQ	UF	AIR	TEMPERATURE	IDEG	FI	AND	THE	DCCURRENCE	DF	FOG	TUDHTIMS	PRECIPITATION)
				WE AT	-CEA	TE	PEDI	THE	DIEEEDENCE		sec 6	1	The second second

AIR-SFA	49 52	53 56	57 60	61	65	69 72	73 76	77 80	TOT	FOG	FOG
14/16	.0	.0	.0	.0	.0	.1	.1	.0	4	.0	.2
11/13	.0	.0	.0	.0		.1	.1		8	.0	.3
9/10	.0	.0	.0		.1	.6		.0	21	.0	.8
7/8	.0	.0	.0	.2	.7	.3	.0	.0	32	.0	1.2
6	.0	.0		.3	.5	.3	.0	.0	29	.0	1.1
5	.0	.0		1.2	1.3	.2	.0	.0	67	.0	2.6
4	.0	.0	.2	2.4	1.3	.2	.0	.0	108	.0	4.2
3 2 1 0	.0	.0	.4	3.8	1.6	.0	.0	.0	151	.0	5.8
2	.0	.0		8.1	.9		.0	.0	268	.2	10.1
1	.0	.1	3.2	9.2	.7	:	.0	.0	342	.1	13.0
0	.0	.3	7.3	8.7	.3	.0	.0	.0	434	.3	16.4
-1	.0	.5	7.2	5.5	.3	.0	.0	.0	350	.3	13.2
-2	.0	.8	7.6	2.3	.2	.0	.0	.0	284	.2	10.7
-3	.0	.9	4.7	1.6		.0	.0	.0	188	.0	7.2
-4	.0	1.0	3.4	. 8		*	.0	.0	136	.0	5.2
-5	.0	.9	2.0	.4	.1	.0	.0	.0	87	.0	3.3
-6	.1	.6	.9	.2	.0	.0	.0	.0	47		1.8
-7/-8	.2	.3	.6	.1	.0	.0	.0	.0	31		1.2
-9/-10	.1	.1	.1			.0	.0	.0	9	.0	.3
-11/-13	.0	.0		.0	.0	.0	.0	.0	1	.0	
-14/-16	.0		.0	.0	.0	.0	.0	.0	1	.0	
TOTAL	10		1007		214		6			31	2567
PCT	.4	5.7		1163	8.2	1.9	.2	1	2598	1.2	98.8
			3			4.07		-	.00.0	*	,0.0

PERIOD: (OVER-ALL) 1963-1973

				PC	T FREQ	OF WIND	SPEED	(KTS)	AND DIRE	CTION V	ERSUS S	EA HEIG	HTS (FT)		
				N								NE			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	.2	.0	.0	.0	.0	.5		.0	.9	.2	.0	.0	.0	1.1
1-2	.0	1.6	,6	.0	.0	.0	2.1		.1	2.2	1.3	.0	.0	.0	3.6
3-4	.0	1.5	1.4	.1	.0	.0	3.0		.0	1.0	1.8	.1	.0	.0	2.9
5-6	.0	.2	1.4	.4	.0	.0	2.0		.0	.5	1.8		.0	.0	2.3
7	.0	.0	.6	.4	.0	.0	1.0		.0	.0	.7	.2	.0	.0	.9
8-9	.0	.0	.2	.3	.0	.0	.4		.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.1	.0	.0	.1		.0	.0	.1	.0	.0	.0	.1
12	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.1	.0	.1		.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	3.4	4.1	1.2	•1	.0	9.1		.1	4.5	5.9	.4	•0	•0	10.9
				E								SE			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.6	.0	.0	.0	.0	.7		.1	1.0		.0	.0	.0	1.2
1-2	.1	2.6	.5	.0	.0	.0	3.1		*	2.3	.6	.0	.0	.0	3.0
3-4	.0	1.2	1.5	.0	.0	.0	2.7		.0	.6	2.1	.0	.0	.0	2.8
5-6	.0	.2	1.1	.2	.0	.0	1.4		.0	.1	.9	.0	.0	.0	1.0
7	.0	.0	.5	.0	.0	.0	.5		.0	.1		.1	.0	.0	.2
8-9	.0	.0	.1	.2	.0	.0	.3		.0	.0	.0	.1	.0	.0	.1
10-11	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.1	.0	.0	.1		.0	.1	.0	.0	.0	.0	.1
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	•0	.0	.0		.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	4.6	3.6	.5	.0	.0	8.8		.2	4.3	3.7	.2	.0	.0	8.3

PER100:	OVE	-ALL)	1963-1	973				TABLE	APRIL 18 (CONT	,			AREA	0001 38.	AZORES ON 26.6%
				PC	T FREO D	-	SPEED	(KTS)	AND DIRE	CTION V	ERSUS S	EA HEIG	HTS (FT)		
				5								SW			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	.5	.1	.0	.0	.0	.9		.0	.5	.3	.0	.0	.0	. 8
1-2	.0	2.6	.7	.0	.0	.0	3.3		.2	2.4	.6	.0	.0	.0	3.2
3-4	.0	1.2	2.9	.1	.0	.0	4.2		.0	1.4	3.6	.5	.0	.0	5.5
5-6	.0	.3	1.5	.6	.0	.0	2.3		.0	. 8	1.5	.5	.0	.0	2.8
7	.0	.0	.8	.5	.0	.0	1.2		.0	.0.	.9	. 8	.0	.0	1.7
8-9	.0	.0	.3	.7	.0	.0	1.0		.0	.0	.3	.5	.2	.0	.9
10-11	.0	.0	.0	.5	.1	.0	.6		.0	.0	.2	.7		.0	1.0
12	.0	.0	.1	.1	.0	.0	.2		.0	.0	.0	.4	.0	.0	.4
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.2	.0	.0	.2
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.1		.1
23-25	.0	.0	.0	.0	.0	.0	.0		.0	0	.0	.0	.2	.0	.2
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0		.0	
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
1-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
9-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
1-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
DT PCT	.3	4.6	6.3	2.4	.1	.0	13.6		.2	5.1	7.3	3.5	.6		16.7

HGT	1-3	4-10	11-21	W 22-33	34-47	48+	PCT		1-3	4-10	11-21	NW 22-33	34-47	48+	PCT	TOTAL
<1	.2	1.2	.0	.0	.0	.0	1.4		.1	.3	.0	.0	.0	.0	.4	
1-2	.1	2.0		.0		.0	2.9		.1	2.2	.4	.0	.0	.0	2.7	
3-4	.0	1.5	3.4	.3	.0	.0	5.1		.0	.6	2.1	.3	.0	.0	3.0	
5-6	.0	.0	1.8	.5	.0	.0	2.3		.0		2.0	.2	.0	.0	2.2	
7	.0	.0	1.0	1.6	.0	.0	2.7		.0	.2	1.0	.2	.0	.0	1.5	
8-9	.0	.0	.3	.6	.5	.0	1.4		.0	.0	.2	.2		.1	.6	
10-11	.0	.0	.1	1.0	.3	.0	1.4		.0	.0	.0	.5	.0	.0	.5	
12	.0	.0	.2	.3	.0	.0	.5		.0	.0	.1	.0	.0	.0	.1	
13-16	.0	.0	.1	.2	.0	.0	.3		.0	.0	.0	.0	.1	.0	.1	
17-19	.0	.0	.0	.0	.0	.0	.0	,	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.3	.1	.4		.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.1	.0	.1		.0	.0	.0	.1	.0	.0	.1	
26-32	.0	.0	.0	.0	.1	.0	.1		.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.3	4.6	7.6	4.5	1.2	.1	18.4		.2	3.4	5.8	1.6	.2	.1	11.2	97.2
TOT PCT	.3	4.0	1.0	4.5	1.2	•1	18.4		• 2	3.4	5.8	1.0	•2	•1	11.2	97

WIND	SPEED	(KTS)	VS	SEA	HEIGHT	(FT)

		-						
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	4.6	5.4	.6	.0	.0	.0	10.5	003
1-2	.8	17.6	5.4	.0	.0	.0	23.8	
3-4	•1	9.1	18.4	1.4	.0	.0	29.0	
5-6	•1	2.0	11.8	2.2	.0	.0	16.1	
7	.0	. 3	5.4	3.8	.0	.0	9.4	
8-9	.0	.0	1.2	2.6	.7	.1	4.6	
10-11	•0	.0	.4	2.8	.4	.0	3.6	
12	.0	.1	.4	.8	.0	.0	1.3	
13-16	•0	.0	.1	.4	.2	.0	.7	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	•0	.0	.0	.0	.4	.1	.5	
23-25	•0	.0	.0	.1	.3	.0	.4	
26-32	.0	.0	.0	.0	.1	.0	.1	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	•0	.0	.0	.0	.0	.0	.0	
71-86	•0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
				-				1006
TOT PCT	5.6	34.5	43.6	14.0	2.1	.2	100.0	
	and the same of	The second		THE PARTY OF THE P				

PERIOD: (OVER-ALL) 1949-1973

					PERCEN	FE	MOENCI	UF WA	AE HET	GH! (F	1) 42	MAVE P	EKIUD	Caecnu	031						
PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
c 6	2.5	7.9	12.5	6.1	2.1	1.0	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	658	3
6-7		.8	5.6	10.4	4.8	2.5	1.2	.6		.1	.0		.0	.0	.0	.0	.0	.0	.0	535	6
8-9		.2	1.3	3.7	4.1	2.8	1.2	.7	.8	.0		.1	.1	.0	.0	.0	.0	.0	.0	308	7
10-11	.0	.6	.4	1.3	1.1	1.4		.7	.9	.2	.1		.0	.0		.0			.0	158	8
12-13	.0	.0	.4	.4	.3	.4	.5	.4	.3	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	61	9
>13	.0	.0	.0	.2	.2	.1	.2	.1	.1	.1	.2		.0	.0	.0	.0	.0	.0	.0	30	11
INDET	2.7	2.1	2.2	1.6	2.2	.9	.1	.1	.3			.0	.0		.0	.0	.0	.0	.0	251	4
TOTAL	107	235	451	476	300	187	94	61	60	9	9	6	5	1	0	0	0	0	0	2001	5
		11 7	22 6	22 0		0 2					4		•				•		•		

AREA 0001 AZORES 38.1N 26.7W

					- 11		
PERCENT	FREQUENCY	OF	MEATHER	DCCURRENCE	BT	MIND	DIKECTION

							-								
			,	RECIPI	TATIO	N TYPE					DIHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HATL	PCPN AT	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE		
N NE	1.0	1.8	1.5	.0	.0	.0	.0	4.1	1:7	.2	1:3	.0	:6	.0	92.9
E	.8	.0	1.8	.0	.0	•0	.0	2.1	1.7	.0	1.0	.0	2.6		92.6
SE	3.5	1.6	.4	.0	.0	•0	.0	5.5	2.7	.0	.4	.0	1.0		90.4
S	1.7	1.9	2.8	.0	.0	•0	.0	6.2	5.1	.3	1.5	.0	1.5		85.4
SW	1.5	2.1	1.0	.0	.0	.0	.0	5.2	4.6	.1	1.3	.0	2.2		86.6
*	1.4	1.2	2.7	.0	.0	.0	.0	5,3	4.2	.1	. 8	.0	1.1		88.5
NW	1.6	2.7	2.1	.0	.0	.0	.0	6.5	4.5	.3	.5	.0	.1	.0	88.3
CALH	.0	1.2	1.2	.0	.0	.0	.0	2.4	1.2	1.2	.0	.0	2.4	.0	92.7
TOT PCT	1.4	1.6	1.9	.0	.0	.0	.0	4,9	3.5	.2	1.0	.0	1.2	.0	89.3

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			p	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA		
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT	PCPN PAST	THOR	FOG WD PCPN	FOG WO PCPN PAST HR	SMOKE	SPRI BLWG !	DUST	NO SIG WEA
00603 06609 12615 18621	1.4 2.0 1.2 1.1	1.4	2.3 3.0 1.2 1.2	.0	.0	.0 .0	.0	4.9 6.7 3.9 4.0	4.0 4.3 3.0 2.9	.3 .1 .0	1.7 1.1 1.0	.0	1.7 .7 .8 1.6		.0	88.4 86.5 91.3 90.3
TOT PCT	1.4	1.6	1.9	.0	.0	•0	.0	4.8	3.5	.2	1.1	.0	1.2		.0	89.2

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

				FERG	LIVIAGE	LUCAGE	1.61											
		WI	ND SPE	ED (KN	ars)								HOUR	(GHT)				
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	DBS	FREQ	SPO	00	03	06	09	12	15	18	21	
N NE	1.1	5.6			.1	.0		12.6	11.5	11.8					14.8	12.5		
E	1.0	3.6	2.6			.0		7.5	9.9	8.7	9.1	8.4	7.2		6.6	6.0	6.0	
SE	.4	2.7	1.8	.3		.0		5.3	10.4	6.2	3.9	4.9	4.8	4.4	7.4	5.2	6.0	
S	.6	4.8	5.4	.9	.1	.0		11.8	12.7	12.4	8.4	12.0	9.3	12.4	10.0	13.2	11.1	
SW	1.0	6.4	6.8	1.6	.1	.0		15.9	12.5	17.5	13.5	13.9	13.2	18.3	14.9	16.0	16.9	
W	1.0	7.3	8.0	2.0	.1	.0		18.4	12.9	17.1	19.9	20.1	17.2	19.5	15.4	18.8	14.5	
NW	1.2	6.3	6.5	1.5	.1	.0		15.5	12.4	14.8	20.7	15.7	19.8	13.4	16.0	14.6	16.3	
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	3.2							3.2	.0	3.0	3.2	4.4	3.0	2.7	2.2	3.2	2.4	
TOT OBS	405	1635	1608	330	30	0	4008		11.7	665	220	823	234	678	272	863	253	
TOT PCT	10.1	40.8	40.1	8.2		.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TABLE 3A

WND DIR	0-6		SPEED 17-27		41+	TOTAL	PCT	MEAN SPD	00	HDU1 06 09	12 15	18
N NE	3.3	5.1	2.7	.2	.0		12.6	11.5	11.8	12.0	13.9	12.7
E	2.6	3.8	1.0	.1	.0		7.5	9.9	8.8	8.1	7.2	6.0
SE S	2.1	2.9	2.5		.0		11.8	10.4	11.4	11.4	11.7	12.7
SW	3.5	9.3	3.6	.5	*		15.9	12.5	16.5	13.7	17.3	16.2
NW	3.4	7.8	3.9	.5	.0		15.5	12.4	16.3	16.6	14.1	15.0
CALM	3.2	.0	.0	.0	.0		3.2	.0	3.1	4.1	2.5	3.0
TOT OBS	1042	2019	838	105	.1	4008	100.0	11.7	100.0	1057	950	1116

PERIOD:	(PRIMARY)	1928-1973
	(OVER-ALL)	1855-1973

TABLE 4

AREA 0001 AZORES 38.1N 26.7W

PERCENTAGE	ERFOHENCY	OF	WIND	SPEED	BY	HOUR	(GMT)

				MIND	SPEED	(KNOTS)			PCT	TOTAL
HOUR	CALM	1-3	4-10	11-21	22-33	34-47	48+	MEAN	FREQ	OBS
00603	3.1	7.0	39.8	41.2	7.9	1.0	.0	11.9	100.0	885
90300	4.1	8.1	40.4	38.0	8.8	.6	.0	11.4	100.0	1057
12615	2.5	6.1	40.9	41.9	7.7	.8	.0	11.9	100.0	950
18621	3.0	6.4	41.8	39.7	8.4	.6	.0	11.7	100.0	1116
TOT	128	277	1635	1608	330	30	0	11.7		4008
PCT	3.2	6.9	40.8	40.1	8.2	.7	.0		100.0	

TABLE 5

TABLE 6

P	CT FRE		OTAL O	DIREC	TION (EIGHTHS)	PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION											
WND DIR	0-2	3-4	5-7	8 & 085CD	TOTAL OBS	COVER	000 149	150 299	300 599	600 999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	
N	2.2	2.9	4.2	3.0		5.1	.1	.1	.2	1.5	2.1	1.2	.2	.2	.1	.0	6.6	
NE	1.7	1.6	3.3	2.1		5.2		.1	.2	. 8	1.6	1.1	.4			.1	4.4	
E	1.6	. 8	2.3	2.8		5.5		.0		.7	1.8	.9	.5	.1		.1	3.2	
SE	.9	.7	1.9	1.2		5.2		.0	.1	.4	1.0	.3	.2	.1	.0	.1	2.5	
S	2.3	2.0	4.4	4.1		5.3	.2		.5	1.2	2.1	.8	.3	.3		.1	7.2	
SW	4.0	2.9	5.3	5.2		5.1	.1	.0	.5	1.8	2.8	1.1	.4	.2	.1	.2	10.0	
	4.3	3.5	6.5	5.3		5.1	.1	.1	.5	2.1	4.0	1.2	.5	.4	.1	.1	10.4	
NW	2.3	3.5	5.3	3.2		5.0		.1	.3	1.3	2.5	1.3	.5			.1	8.0	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	1.3	.3	.7	. 7		4.0	.0	.1		.1	.4	.3	.0				2.0	
TOT OBS	481	429	795	648	2353	5.1	17	10	55	236	426	194	71	32	11	22	1279	2353
TOT PCT	20.4	18.2	33.8	27.5	100.0		.7	.4	2.3	10.0	18.1	8.2	3.0	1.4	.5	.9	54.4	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NH)

						VSBY (NH	1)			
	CE	EILING	. OR	» DR	. OR	- OR	= DR	. DR	. OR	= DR
(FEET)		FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
	DR	>6500	1.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3
	OR	>5000	1.8	2.7	2.7	2.7	2.7	2.7	2.7	2.7
	OR	>3500	4.3	5.5	5.7	5.7	5.7	5.7	5.7	5.7
	OR	>2000	11.3	13.6	14.0	14.0	14.0	14.0	14.0	14.0
	DR	>1000	25.7	31.4	32.0	32.0	32.1	32.1	32.1	32.1
	OR	>600	33.1	40.8	41.7	41.9	42.0	42.1	42.1	42.1
	DR	>300	34.2	42.8	43.9	44.2	44.3	44.3	44.4	44.4
	UR	>150	34.4	43.1	44.4	44.6	44.7	44.7	44.8	44.8
	DR	> 0	34.6	43.5	44.8	45.2	45.4	45.4	45.5	45.5
		TOTAL	824	1035	1067	1076	1080	1081	1083	1083

TOTAL NUMBER OF OBS: 2380 PCT FREQ NH <5/8: 54.5

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 OBSCD OBS 8.8 10.7 13.5 11.0 10.5 8.0 9.3 9.4 18.5 .4 2524

...

TABLE 8

AREA 0001 AZORES 38.1N 26.7W

		P	ERCENT	PREC	OF WIN	D DIRE	CTION TH VAR	VS DCC	ALUES	E OR N	IBILI	CURRENC	E OF
VSBY (NM)		N	NE	F	SE	5	SW	W	NW	VAR	CALM	PCT	TOTAL
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	NO PCP	.0	.0	.0	.0			.0	.0	.0			
	TOT %	.0	.0	.0	.0			.0	.0	.0			
	PCP	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	
1/24	NO PCP	.1	.1	.1	.0	.0		.1	.0	.0	.0	.5	
	TOT %	.1	.1	.1	•0	.0		.1	.0	.0	.0	.5	
	PCP	.0	.0	.0		:		.0	.1	.0	.0	.2	
1<2	NO PCP	.0	.0	.0	.0			.1	.1	.0	.0	.2	
	TOT %	.0	.0	.0		.1	.1	.1	.1	.0	.0	.4	
	PCP	.1	.0	.0		.2	.2	.2	.1	.0	.0	.6	
2<5	NO PCP	.1	.1	.0		.3	.3	.2	.2	.0	.0		
	TOT %	.1	•1	.0	•1	.5	.5	. 3	. 3	.0	.0	1.8	
	PCP	.3	.2	.1	.1	.5	.4	.7	.5	.0		2.8	
5<10	NO PCP	1.8	1.6	1.2	.8	2.0	2.8	3.0	1.8	.0	.3	15.3	
	TOT %	2.1	1.7	1.3	.9	2.5	3.2	3.7	2.3	.0	.4	18.1	
	PCP	.1	.1	6:0	.1	.1	.3	14.8	.3	.0	*		
10+	NO PCP	9.7	7.4	6.0	3.4	10.0	12.7		11.5	.0	2.5	77.9	
	TOT %	9.9	7.4	6.1	3.5	10.1	12.9	14.9	11.8	.0	2.5	79.1	
	TOT OBS												2821
	TOT PCT	12.2	9.4	7.5	4.5	13.2	16.8	19.1	14.5	.0	2.9	100.0	

	;								VS WI		ED		
VSBY (NM)	SPD KTS	N	NE	E	SE	s	SW	W	NW	VAR	CALM	PCT	TOTAL
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	*		
<1/2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0			.0	.0	.0			
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0			.0	.0	.0	*	-1	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	4-10	*		.0	.0	.0	.0	.1	.0	.0		.2	
	11-21	.0	.1	.1	.0	.0	*		.0	.0		.2	
	22+	.1		.0	.0	.0			.0	.0		.1	
	TOT %	.1	.1	.1	.0	.0		.1	.0	.0	.0	.4	
	0-3	.0	.0	.0	.0		.0	.0		.0	.0		
1<2	4-10	.0	.0	.0			.1	.1	.1	.0		.2	
	11-21	.0		.0	.0			.1	*	.0		.2	
	22+	.0	.0	.0	*	.0		.0	.0	.0		.1	
	TOT \$.0		.0		.1	.1	.1	.2	.0	.0	.6	
	0-3					.0	.0		.0	.0	.1	.2	
2<5	4-10	.2		.0		.1	.1	.1	.1	.0		.7	
	11-21		.0	.0	.1	. 3	.3	.2	.2	.0		1.1	
	22+			.0		-1	.1	.1	.0	.0		.4	
	TOT \$.3	.1		.1	.4	.6	.4	.4	.0	.1	2.3	
	0-3	.1	.1	.2	.1	.1	.1	.2		.0	.4		
5<10	4-10	.9	.7	.6	.3	.7	.9	.9	.9	.0		6.0	
	11-21	.8	.6	.5	.4	1.2	1.6	2.2	1.1	.0		8.5	
	22+	.2	.3	.1	.1	.5	.7	.5	.6	.0		3.1	
	TOT %	2.0	1.8	1.4	.9	2.6	3.4	3.8	2.6	.0	.4	18.9	
	0-3	.8	3.0	.8	.2	.5	.8	.7	.8	.0	2.6	7.7	
10+	4-10	4.1	3.0	2.6	2.1	4.0	5.5	6.1	4.5	.0		32.2	
	11-21	4.4	3.1	2.0	1.3	4.3	5.3	6.4	5.5	.0		32.3	
	22+	. 8	.5	2	.2	.6	.8	1.4	1.1	.0		5.4	
	TOT %	10.0	7.3	5.8	3.8	9.4	12.4	14.6	11.9	.0	2.6	77.7	
	TOT OBS												3241
	TOT PCT	12.4	9.3	7.3	4.9	12.5	16.5	19.0	15.0	.0	3.1	100.0	

AREA 0001 AZORES 38.1N 26.7W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 by HOUR

HOUR (GMT)	000	150 299	300 599	999	1000	2000 3499	3500	5000	6500	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL
00603	.9	.3	1.4	7.9	16.8	7.2	3.3	1.6	.3	1.2	40.8	59.2	573
90360	.7	.5	1.9	12.4	20.6	9.5	2.7	2.4	.3	1.5	52.6	47.4	582
12615	.7	.4	2.4	10.6	17.9	9.3	3.4	.7	.7	.3	46.0	53.4	670
18621	.5	.3	3.1	7.8	15.0	6.6	2.2	. 8	.3	.6	37.2	62.8	639
TOT	17	10	2.2	238	432	200	72	1.3	11	22	1090	1374 55.8	2464

		F	

TABLE 1

		PERCENT	FREQUEN	CY VSB	(NM)	AY HOUR		CUMULAT	TVE PCT	FREQ G HGT	OF RAN	GES UF NH >4/8	VSBY (NM)	AND/OR
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL
00803	.1	.3	.5	2.5	20.7	75.9	773	00603	.9	2.9	11.7	31.0	57.2	545
90300	.1	.7	.6	2.9	20.4	75.2	823	96609	.7	3.4	17.0	36.5	46.5	564
12615	.0	.4	.6	1.7	16.0	81.3	829	12615	.8	3.8	15.2	32.6	52.2	650
18621	.1	.3	.5	2.5	18.5	78.0	865	18621	.5	4.0	12.7	25.9	61.4	621
TOT	3	14	18	79	621	2555	3290 100.0	TOT	17	85	338	748 31.4	1294	2380

T	A	B	L	E	1	

TABLE 1

																-				
	PERC	ENT FR	EQUENC	Y OF R	ELATIVE	HUMI	DITY B	Y TEMP				PERC	ENT FR	EQUENC	Y OF W	IND DI	RECTIO	N BY T	EMP	
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	OBS	FREQ	N	NE	E	SE	s	SW	w	NW	VAR	CALM
75/79	.0	.0	.0		.1	.1		.0	6	.3	.0	.1	.0	.0		.0	.0	.1	.0	
70/74	.0	.0	.0	.3	.7	1.0	.9	.2	75	3.2	.3	.3	.2	.1	.4	.7	.7	.4	.0	.1
65/69	.0	.0	.1	1.1	3.2	7.0	10.4	6.4	671	28.2	2.3	2.0	1.4	1.6	5.2	6.9	5.8	2.2	.0	.8
60/64	.0	.0	.1	1.7	9.2	14.7	18.4	13.0	1360	57.2	7,2	6.1	4.8	2.4	6.7	8.7	11.0	8.4	.0	1.9
55/59	.0	.0	.0	.4	2.2	3.5	3.2	1.7	259	10.9	2.6	.9	.4	.3	.4	.9	1.6	3.4	.0	.4
50/54	.0	.0	.0	.0			.1		5	.2		.1	.0	.0	.0			.1	.0	.0
TOTAL	0	0	6	85	368	625	783	509	2376	100.0										
PCT	.0	.0	.3	3.6	15.5	26.3	33.0	21.4			12.4	9.5	6.8	4.4	12.8	17.2	19.1	14.6	.0	3.1

TABLE 15

	MEANS,	EXTREM	S AND	PERCEN	TILES	OF TE	AP (DE	GF) B	Y HOUR		PERC	ENT FRE	QUENCY	OF RELA	TIVE H	MIDITY	BY HOU	R
HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL DBS	HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
60300	75	68	66	62	58	56	54	62.2	887	00603	.0	1.4	12.2	25.7	34.5	26.2	82	591
90300	79	69	66	62	58	56	52	62.0	1053	90300	.0	1.9	13.8	24.5	32.6	27.2	82	580
12615	77	74	70	64	60	58	54	64.6	943	12615	.0	6.1	18.2	27.2	30.5	17.9	78	636
18821	78	74	70	64	59	57	53	64.5	1093	18821	.0	6.0	17.5	27.8	33.9	14.7	78	604
TOT	79	72	69	63	58	57	57	63.3	3976	TOT	0	94	374	635	792	516	80	2411

MAY

PERIOD: (PRIMARY) 1928-1973 (OVER-ALL) 1855-1973

TABLE 17

AREA 0001 AZORES 38.1N 26.7W

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FUG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

									and the same of th		
AIR-SEA	49	53	57	61	65	69	73	77	TOT	W	WU
THP DIF	52	56	60	64	68	72	76	80		FOG	FOG
14/16	.0	.0	.0	.0	.0	.0	.1		3	.0	.1
11/13	.0	.0	.0	.0	.0	.1	.2	.0	8	.0	.3
9/10	.0	.0	.0	.0	.1	.4	.3	.0	21	.0	.8
7/8	.0	.0	.0		.6	.9	.2		48	.0	1.8
6	.0	.0	.0		.9	.5	.0	.0	38	.0	1.5
5	.0	.0	.0	.3	1.8	. 8		.0	77		2.9
4	.0	.0	.0	1.2	3.0	.5		.0	122	.1	4.6
3 2	.0	.0	.1	2.3	4.2	.5	.0	.0	184	.1	7.0
2	.0	.0	.2	4.9	5.3	.3		.0	280	.1	10.7
1	.0	.0	.3	6.4	4.2	.2	.0	.0	287	.2	10.8
1 0 -1	.0	.0	1.8	12.8	3.0	.2	.0	.0	465	.2	17.6
-1	.0	.0	2.3	8.7	1.4	.1	.0	.0	324	.2	12.3
-2	.0	.1	4.1	6.0	. 8		.0	.0	290	.1	11.0
-3	.0	.1	4.0	3.2	.3	.0	.0	.0	198	.1	7.5
-4	.0	.3	2.8	1.8	.2	.0	.0	.0	132	.0	5.1
-5	.0	.1	1.6	.7	.2	.0	.0	.0	64	.0	2.5
-6	.0		. 8	.2	.0	.0	.0	.0	26	.0	1.0
-7/-8		.2	.4	.3		.0	.0	.0	25	.0	1.0
-9/-10	.0		.2	.1	.0	.0	.0	.0	8	.0	.3
-11/-13	.0	.0	.0	.1	.0	.0	.0	.0	2	.0	.1
TOTAL	1		482		675		25			30	2572
PCT		23	18.5	1276	25.9	118	1.0	.1	2602	1.2	98.8

PERIOD: (OVER-ALL) 1963-1973

TABLE 18

PCT FREQ OF WIND SPFED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT) HGT
<1
1-2
3-4
5-6
7
8-9
10-11
12
13-16
17-19
20-22
23-25
26-32
33-40
41-48
49-60
61-70
71-86
87+
TOT PCT 11-21 1.2 1.5 1.5 1.1 .3 .0 .0 .0 .0 .0 .0 1-3 48+ 48+ 1-3 .00 HGT <1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 26-32 23-25 26-32 33-40 41-48 49-60 61-70 71-86 +9-70 71-86 1-3 48+

					HAY		
PERIOU	: (OVER-ALL)	1963-1973			TABLE 18 (CONT)		AREA 0001 AZDRES 38.1N 26.7W
			PCT FREQ DF	WIND SPEED	(KTS) AND DIRECT	TION VERSUS SEA HEIGH	TS (FT)
HGT	1-3 4-10	11-21 5	33 34-47	48+ PCT	1-3	4-10 11-21 22-33	34-47 48+ pCT

						. WIND	3. CED	IN 131 MIND DINE		E K 202 2	EM HETO	11.3 11.17			
HGT	1-3			5	34-47		PCT				22-33	34-47		PCT	
<1	.3	4-10	11-21	22-33	.0	48+		1-3	1.2	11-21	.0	.0	48+	2.1	
1-2	.1	3.0	1.3	.0	.0	.0	7	.3	4.3	1.1	.0	.0	.0	5.7	
3-4	.0	1.8	3.0	.4	.0	.0	5.2	.0	2.0	4.0	.6	.0	.0	6.6	
5-6	.0	.6	2.4	.3	.1	.0	3.4	.0	• 2	2.9	.2		.0	3.2	
7	.0	.0	.8	.2	.0	.0	1.1	.0	.0	.7	.4	.0	.0	1.1	
8-9	.0	.0	.1	.1	.0	.0	.2	.0	.0	.3	.1	.0	.0	4	
10-11	.0	.0	.0	.1	.0	.0	.1	.0	.0		.0	.0	.0		
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.3	5.8	7.7	1.1	•1	.0	15.1	.7	7.8	9.3	1.3	•	.0	19.2	
				u							NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.6	1.3	.2	.0	.0	.0	2.1	.7	.9	.1	.0	.0	.0	1.7	
1-2	.1	3.6	1.6	.0	.0	.0	5.3	.1	2.6	1.6	.0	.0	.0	4.2	
3-4	.0	2.1	3.5	.2	.0	.0	5.8	.0	1.7	2.0	-1	.0	.0	3.8	
5-6	.0	.5	2.9	.6	.0	.0	4.0	.0	.5	2.4	.5	.0	.0	3.5	
7	.0	.0	1.0	.4	.0	.0	1.4	.0	.1	1.1	.6	.1	.0	1.8	
8-9	.0	.0	.3	.2	.0	.0	.4	.0		.3	.4	.0	.0	. 8	
10-11	.0	.0	.2	.0	.1	.0	.3	.0	.0	.5	.1	.0	.0	.3	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.1	.0	.0	. 1	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	•0	.0	.0	.0	.0	.0	.0	.1	.0	•1	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26~32	0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+ TOT PCT	.0	.0	9.7	1.5	.1	.0	0	.0	.0	.0	.0	.0	.0	.0	04 4
ini set	.0	7.5	4.7	1.5	•1	.0	19.4	.8	5.8	7.7	1.7	.2	.0	16.2	96.6

	MIND	SPEFD	(KTS)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	7.3	6.8	.9	.0	.0	.0	15.0	003
1-2	.8	19.5	7.6	.0	.0	.0	27.9	
3-4	.3	9.0	16.0	1.4	.0	.0	26.6	
5-6	.0	2.4	13.1	2.1	.1	.0	17.6	
7	.0	.3	4.8	2.9		.0	8.0	
8-9	.0	.1	1.3	1.4	.2	.0	3.0	
10-11	.0	.0	.7	.3	.2	.0	1.2	
12		.0	.0	.3				
13-16	•0				.0	.0	.3	
	•0	.0	.0	.2	.0	.0	.2	
17-19	•0	.0	.0	.1	.1	.0	.2	
20-22	•0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	•0	.0	.0	.0	.0	.0	.0	
33-40	•0	.0	.0	.0	.0	.0	.0	
41-48	•0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	•0	.0	.0	.0	.0	.0	.0	
71-86	•0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
	.0		••		.0			1106
TOT PET	8 .	28.0	44.4	8.4		0	100.0	

PERIOD	: (OV	ER-ALL) 194	9-197	3				TABLE	19											
					PERCENT	FRE	QUENCY D	WAY	E HEIG	HT (F	T) ys	WAVE P	ERIOD	(SECON	DS)						
PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN
6-7		8.5	13.8	6.1	1.6	.8	.1	.1	.1		.0	.0	.0	.0	.0	.0	.0	.0	.0	689	3
6-7	- 1	1.5	5.6	9.6	5.5	1.8	1.4	.2	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	539	6
8-9	*	.4	1.7	4.1	3.8	2.2	1.5	.3	.2	.0		.0	.0	.0	.0	.0	.0	.0	.0	295	6
10-11	.0	.4	.8	1.5	1.5	1.1	.7	. 8	.4	.0	.0	.0			.0	.0	.0	.0	.0	146	7
12-13	.0	.0	.2	.7	.3	.3	.4	•1	.2		.0				.0	.0	.0	.0	.0	51	8
>13	.0	.0	.0	.3	.1	.3	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	25	8
INDET	4.0	2.5	3.0	2.2		1.3	.5	•1		.1	.0	.0			.0	.0	.0	.0	.0	314	4
TOTAL	132	273	520	506	294	160	97	38	32	6	1	0	0	0	0	0	0	0	0	2059	5
PCT	6.4	13.3	25.3	24.6	14.3	7.8	4.7	1.8	1.6	.3		.0	.0	.0	.0	.0	.0	.0	.0	100.0	

UNF

PERIOD: (PRIMARY) 1930-1973 (OVER-ALL) 1863-1973

TABLE 1

AREA 0001 AZORES 38.1N 26.7W

0.0	COCOUCHCY	ne	WEATHER	DECURRENCE	o.v	HIND	DIRECTION
PERCENT	PREDUENCT	Ur	HEATHER	DECORRENCE	0.1	MIMD	DIKECLION

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNUM	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST	THOR	FOG WU PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	NO SIG WEA
N NE	2:0	.7	1.8	.0	.0	.0	.0	2.8	3.5	.3	1.6	.0	1.2	.0	90.7
E	.2	.7	2	.0	.0	.0	.0	1.3	2.4	.0	1.0	.0	1.2	.0	94.0
SE	1.0	1.6	2.4	.0	.0	•0	.0	4.9	2.0	.0	.2	.0	.0	.0	92.9
S	2.2	1.7	1.3	.0	.0	.0	.0	4.8	3.3	.0	2.0	.3	2.7	.0	86.9
SW	2.3	.3	3.2	.0	.0	.0	.0	5.6	4.2	.0	1.6	.1	2.5	.0	86.0
W	2.0	.7	3.0	.0	.0	.0	.0	5.4	3.9	.0	2.4	.0	3.1	.2	85.0
NH	1.2	.8	2.5	.0	.0	.0	.0	4.4	3.0	.0	2.8	.3	2.1	.0	87.3
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	3.5	.0	.0	• 0	.0	3.5	.9	.0	2.6	.9	2.6	.0	89.6
TOT PCT	1.4	.7	2.2	.0	.0	.0	.0	4.1	3.2		1.7	.1	2.2	•	88.6

TABLE :

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

				F	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHENO	TENA		
År.	HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	HDR TNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPR BLWG BLWG	DUST	ND SIG WEA
	00603 06609 12615 18621	1.2 1.9 1.0 1.5	.5 .4 .9 1.0	2.3 3.4 1.8 1.3	.0	.0	•0	.0	4.1 5.2 3.5 3.6	2.9 4.2 3.7 2.2	.0	1.4 1.2 2.5 2.0	.0 .3 .1	2.1 1.7 3.1 1.5		.0	89.6 87.2 86.9 90.6
	TOT PCT	1.4	.7	2.2	.0	.0	•0		4.1	3.2	*	1.8	•1	2.1			88.6

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

				1. 2.1.0	LITTAGE	- WE GOE											
		WI	D SPE	ED (KN	וצדם								HOUR	(GMT)			
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	FREQ	SPD	00	03	06	09	12	15	18	21
N NE	1.4	7.4	3.8	:7	.0	.0		13.3	9.9	16.1	12.7	13.6		12.2	10.4	12.7	15.3
E SE	1.0	3.2	2.1	.1	.1	.0		8.2	8.6	8.2	5.7	7.8		9.7	8.9		7.2
S	.6	4.5	3.1	.4		.0		8.6	10.9	9.7	6.5	7.8		9.9	9.1	9.1	6.7
SW	1.0	8.4	7.1	1.0	.1	.0		14.5	11.8	11.9	21.8			17.0	14.8		16.3
NW	1.0	7.7	5.0	.8	.1	.0		14.6	10.7	13.8	12.8			The second second	16.1	14.6	
CALM	5.5	.0	.0	.0	.0	.0		5.5	.0	5.8	5.9	6.5		2.4	5.1	5.4	4.7
TOT DBS	525	1870	1223	170	17	0	3805		9.9	626	203	818	230	627	257	831	213
TOT PCT	13.8	49.1	32.1	4.5	.4	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

		WIND	SPEED	(KNOTS)						HOU	R (GMT)	
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL	PCT	MEAN	00	06	12	18	
						DRS	FREQ	SPD	03	09	15	21	
N NE	4.4	7.0	1.8	.1	.0		13.3	9.9	15.3	13.2	11.7	13.2	
NE	4.0	6.8	1.2	:1	.0		12.3	10.1	12.0	11.8	10.9	14.1	
E	3.6	4.0	.5	.1	.0		8.2	8.6	7.8	7.7	9.5	7.9	
E SE	2.2	2.6	.3		.0		5.1	8.3	4.9	5.0	5.2	5.1	
S	2.2	5.2	1.1	.1	.0		8.6	10.9	9.0	7.4	9.7	8.6	
SW	3.2	8.2	2.9	.3	.0		14.5	11.8	13.0	15.8	16.4	12.9	
W	4.9	10.0	2.8	.3	.0		18.0	11.0	18.6	18.0	17.8	17.6	
NW	4.2	8.1	2.0	.2	.0		14.6	10.7	13.6	13.6	15.8	15.3	
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	
CALM	5.5		•				5.5	.0	5.8	7.4	3.2	5.3	
TOT OBS	1299	1975	478	53	0	3805		9.9	829	1048	884	1044	
TOT PCT	34.1	51.9	12.6	1.4	.0		100.0		100.0	100.0	100.0	100.0	

JUNE

PERIOD: (PRIMARY) 1930-1973 (OVER-ALL) 1863-1973

TABLE 4

AREA 0001 AZORES 38.1N 26.7W

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

				WIND	SPEED I	KNOTS)			PCT	TOTAL
HOUR	CALM	1-3	4-10	11-21	22-33	34-47	48+	MEAN	FREQ	OBS
00803	5.8	8.9	48.7	31.6	4.5	.5	.0	9.9	100.0	829
90300	7.4	8.9	51.7	27.7	3.9	.4	.0	9.2	100.0	1048
12615	3.2	7.2	50.7	33.3	5.0	.7	.0	10.4	100.0	884
18621	5.3	8.1	45.6	36.1	4.6	.3	.0	10.1	100.0	1044
TOT	209	316	1870	1223	170	17	0	9.9		3805
PCT	5.5	8.3	49.1	32.1	4.5	.4	.0		100.0	

TABLE 5

TABLE 6

9	CT FRE			LOUG A		(EIGHTHS)							CEILIN NH <5/					
WND DIR	0-2	3-4	5-7	8 & 085CD	TOTAL DBS	CLOUD COVER	000 149	150 299	300 599	600	1000	2000	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL
N	2.8	2.8	4.3	3,9		5.1	.1		.4	1.8	2.4	1.3	.5	.1	.1	.0	7.0	
NE	2.3	2.7	5.2	3,5		5.2	.1	.1	.3	1.6	2.8	1.3	.5	.1	.0	*	6.9	
E	1.6	1.3	3.6	2.4		5.3	.1	.1	.1	.9	1.6	1.0	.4	.1	.0	.0	4.5	
SE	1.6	.7	1.2	1.1		4.6	.1			.3	.9	.4	.1		.0	.1	2.7	
S	2.7	1.8	2.4	2.6		4.7		.1	.2	.9	1.2	.7	.3	.2	.0	.1	5.8	
SW	2.8	2.5	4.6	3.7		5.2	.2	.1	.4	1.5	2.2	1.3	.5	.2	.1	.1	7.2	
	4.5	3.2	5.2	4.8		4.8	.2	.1	.5	2.1	3.0	1.0	.8		.1	.1	9.8	
NW	3.2	2.3	4.5	4.1		5.1	.1	.2	.5	1.8	2.4	1.3	.6	. 1	.1	.1	7.0	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	1.6	.9	.9	.7		3.9	.1	.1	.0	.4	.4	.1	.1		*		2.8	
TOT OBS	538	425	740	626	2329	5.0	23	18	57	264	397	198	84	20	8	11	1249	2329
TOT PCT	23.1	18.2	31.8	26.9	100.0		1.0	.8	2.4	11.3	17.0	8.5	3.6	.9	.3	.5	53.6	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH)4/8/ AND VSBY (NH)

					VSBY (NE	1)			
C	EILING	= DR	* OR	- DR	= OR	· DR	- OR	= DR	- DR
	FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
	>6500	.8	.8	.9	.9	.9	.9	.9	.9
OR	>5000	1.4	1.6	1.7	1.7	1.7	1.7	1.7	1.7
OR	>3500	4.3	5.0	5.3	5.3	5,3	5.3	5.3	5.3
DR	>2000	11.1	13.4	13.8	13.8	13,8	13.8	13.8	13.8
DR	>1000	24.2	29.6	30.5	30.6	30.6	30.7	30.7	30.7
OR	>600	32.5	40.4	41.7	41.9	41.9	42.0	42.0	42.0
OR	>300	33.7	42.5	44.2	44.3	44.3	44.4	44.4	44.4
OR	>150	34.1	43.0	44.9	45.0	45.1	45.1	45.2	45.2
OR	> 0	34.5	43.6	45.6	45.8	45.9	46.0	46.1	46.1
	TOTAL	818	1033	1081	1086	1088	1089	1093	1093
TO	TAL NUMB	ER OF OB	S: 236	59		CT FREQ	NH <5/8:	53.9	and the

TABLE 7A

PERCENTAGE FREQ OF LOW CLAUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 OBSCO OBS 8.2 11.5 13.7 11.4 8.8 7.0 8.9 10.3 19.8 .3 2474

									TOME						
PERIOD:	(PRIMARY) 1 (OVER-ALL) 1	930-1973 863-1973						TA	BLE B				ARE	A 0001 AZ 38.1	
			P	ERCENT						URRENC			CURRENC	E OF	
	VSBY (NM)		N	NE	•	SF	5	SW	W	NW	VAR	CALM	PCT	TOTAL	
		PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			
	<1/2	NO PCP			.1	:0	.0				.0		.2		
		TOT %			.1 .1	.0	.0				.0		.2		
		PCP	.0	.0	.0	.0		.0	.0	.0	.0	.0			
	1/2<1	NO PCP	.1		.0	:	.1	.0	.1	.1	.0	:	:5		
		TOT &	.1				. 1	.0	.0 .1 .1	. 1	.0		.5		
		PCP	.0	.0	.0		.0	.0		.0	.0		.1		
	1<2	NO PCP	.0			.0	.0	.1	.2		.0	.1	.5		
		TOT %	.0				.0	. 1	.2		.0	.1	.6		
		PCP	.1	.1			.1	.2	.3	.1	.0		1.0		
	2<5	NO PCP		.1	.0	.1	.1	.6	.3	:4	.0	.1	1.6		
		TOT %	.1	•1		.1	.4	.8	.6	.4	.0	.1	2.6		
		PCP	.2	.1	.1	.1	.1	.4	.5	.4	.0	.1	2.0		
	5<10	NO PCP	1.7	1.7	1.0	.1	1.2	3.2	3.0	2.5	.0	.3	15.1		
		TOT %	1.9	1.8	1.1	.6	1.4	3.6	3.5	2.9	.0	.4	17.1		
		PCP	.1	.1	.0	.1	.1	.2	.1	.1	.0	.0			
	10+	NO PCP	11.6	11.1	7:1	3.9	7.2	9.6	13.2	10.8	.0	3.5			
		TOT %	11.7	11.2	7.1	4.0	7.4	9.8	13.4	10.9	.0	3.5	79.0		
		TOT DBS												2687	
		TOT PCT	13.8	13.1	8.4	4.7	9.2	14.3	17.8	14.4	.0	4.2	100.0		

TABLE 9

VSBY	SPD	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL
(NM)	KTS		NE	-	36	3	3.1						OBS
	0-3			.0	.0	.0	.0	.0	.0	.0	*	.1	
(1/2	4-10	.0	*		.0	.0	.0		*	.0		.1	
	11-21	.0	.0		.0	.0	*	.0	.0	.0		.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %			.1	.0	.0	*			.0	*	.2	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0			
/2<1	4-10	.0		*		*	.0	.1	*	.0		.2	
	11-21		.0	.0	.0		.0	.0		.0		.1	
	22+		.0	.0	.0	.1	.0	.0		.0		.1	
	TOT \$.1				.1	.0	.1	.1	.0		.4	
	0-3	.0	.0	.0	.0	.0	.0	*	.0	.0	.1	.1	
1<2	4-10	.0		.0	*	.0			*	.0		.1	
	11-21	.1		.1	.0	.0	.1	.1	.0	.0		.4	
	22+	.0	.0	.0	.0	.0	.1			.0		.1	
	TOT %	.1	.1	•1		.0	.1	.2		.0	.1	.7	
	0-3	.0	.0	.1	.0	.0	.0	.1	.1	.0	.2	.4	
2<5	4-10	.1	.1	.1	.1	.1	.2	.2	.2	.0		1.1	
	11-21					.2	.6	.3	.2	.0		1.3	
	22+ TOT \$.1	.0	.0	.0	.1	.1	:7	.0	.0	.2	.4	
	101 %	.2	.1	•1	•1	.3	.4	.,	.4	.0	• • •	3.1	
	0-3	.2	.2	.1	.2		.2		.2	.0	.5	1.5	
5<10	4-10	.9	.7	.7	.3	.5	1.4	1.3	1.4	.0		7.2	
	11-21	.7	.7	.3	.2	.7	1.6	1.8	1.1	.0		7.1	
	22+	.1	.1	.0		.2	.5	.4	.3	.0	-	1.6	
	TOT \$	1.8	1.6	1.0	.7	1.5	3.7	3.5	3.0	.0	.5	17.4	
12	0-3	1.1	1.0	.9	.7	.5	.8	1.2	.7	.0	3.8	10.6	
10+	4-10	6.3	5.7	4.2	2.9	4.0	4.4	6.5	6.2	.0		40.3	
	11-21	3.2	3.3	1.8	.7	2.4	4.2	5.0	3.8	.0		24.4	
	22+	5		1	.1	2	4	6	6	.0		2.8	
	TOT \$	11.2	10.5	7.0	4.3	7.0	9.8	13.3	11.2	.0	3.8	78.1	
	OT 085												3114
T	OT PCT	13.4	12.3	8.3	5.2	9.0	14.6	17.8	14.8	.0	4.6	100.0	

JUNE

PERIOD: (PRIMARY) 1930-1973 (OVER-ALL) 1863-1973

TABLE 10

AREA 0001 AZORES 38.1N 26.7W

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND DCCURRENCE OF NH <5/8 BY HOUR

						and the second							
HOUR (GMT)	000	150 299	300 599	600	1000	2000 3499	3500 4999	5000 6499	6500	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL
00603	1.4	.5	1.7	9.2	13.2	9.2	2.8	.5	.0	1.0	39.7	60.3	575
90330	.7	.8	3.5	16.1	20.6	7.1	3.0	1.2	.5	.5	53.9	46.1	607
12615	1.1	1.3	1.8	9.7	19.0	8.2	4.1	1.1	.3	.5	47.2	52.8	610
18821	.6	.5	2.4	9.2	13.2	8.9	4.3	.5	.5	.2	40.1	59.9	631
TOT	23	19	57	268	400	202	86	20	8	13	1096	1327	2423

TABLE 11

TABLE 12

		PERCENT	FREQUEN	CY VSB1	(NM)	BY HOUR		CUM	JLATIVE CE	PCT FREG	OF RAN	NH >4/8	VSBY (NM)	AND/OR
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL	HO!		50 <600 0YD <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL
00603	.1	.4	.7	2.3	16.9	79.6	739	00	1 803	.4 3.6	14.3	26.8	58,9	559
06609	.4	•2	.7	3.9	18.9	75.8	814	06	603	.7 5.0	22.6	32.3	45.1	597
12815	.3	.7	1.0	3.1	16.0	78.9	768	12	615 1	.2 4.3	16.0	32.2	51.8	600
18621	.1	.5	.5	3.2	17.3	78.5	845	18	.21	.7 3.8	14.5	27.1	58.4	613
TOT PCT	.2	14	23	100	548 17.3	2474 78.1	3166 100.0	T P		23 100		702 29.6	1267 53.5	2369 100.0

TABLE 1

TABLE 14

				1	ABLE 1.	3									TABL	E 14				
	PERC	ENT FR	EQUENC	Y OF R	ELATIV	E HUMII	DITY A	Y TEMP	TOTAL	PCT		PERC	ENT FR	EQUENC	Y OF W	IND DI	RECTIO	IN BY T	EMP	
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100		FREQ	N	NE	E	SE	S	SW	W	NW	VAR	CALM
80/84	.0	.0		.1			.0	.0	6	.3	.1	.0	.0	.0	.0				.0	
75/79	.0	.0	.1	.5	.7	1.1	. 8	.2	80	3.4	.2	.3	.3	.1	.6	.5	.5	.6	.0	.3
70/74	.0	.0		.6	2.5	5.8	6.4	4.1	454	19.5	1.4	2.0	1.8	1.1	2.4	4.2	3.9	2.0	.0	. 8
65/69	.0	.0	.0	.6	4.5	11.8	17.2	16.3	1174	50.5	5.7	7.5	4.2	2.4	4.7	7.4	9.5	6.5	.0	2.5
60/64	.0	.0	.0	.3	4.0	6.5	7.5	6.9	587	25.2	5.4	3.6	1.5	.7	1.8	2.4	4.2	5.1	.0	.6
55/59	.0	.0	.0	.0	*	.3	.4	.3	25	1.1	.5	.1	.0	*	.1	.1	.1	.2	.0	.0
TOTAL	0	0	5	51	275	595	754	646	2326	100.0										
PCT	.0	.0	.2	2.2	11.8			27.8			13.4	13.5	7.9	4.3	9.5	14.7	18.2	14.3	.0	4.1

TABLE 15

	MEANS,	TIKEME	S ANU	PERCEN	LITES	OF LEW	IP (DE	C F) B	Y HOUR
HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL
00603	79	73	71	66	61	59	57	65.8	837
90300	81	73	70	65	61	59	56	65.5	1041
12615	82	78	74	68	63	60	57	68.3	859
18621	81	78	75	68	63	61	58	68.3	1025
TOT	82	77	73	67	62	59	56	67.0	3762

	PERC	ENT FRE	QUENCY	OF RELA	TIVE H	MIDITY	BY HOUR	
HOUR	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
60300	.0	1.4	10.2	21.1	33.7	33.6	83	569
90300	.0	.5	5.8	22.8	34.5	36.5	84	606
12615	.0	4.3	17.0	29.0	28.4	21.3	79	582
18621	.0	3.4	15.8	28.5	32.9	19.4	79	614
TOT	0	57	289	602	768	655	81	2371

JUNE

PERIOD: (PRIMARY) 1930-1973 (DVER-ALL) 1863-1973

TABLE 17

AREA 0001 AZORES 38.1N 26.7W

AIR-SEA	57	61	65	69	73	77	81	TOT	W	WD
THP DIF	60	64	68	72	76	80	84		FOG	FOG
17/19	.0	.0	.0	.0	.0		.0	1	.0	
14/16	.0	.0	.0	.0	.0	.0		1	.0	
11/13	•0	.0	.0	.1	.1	.4	.0	14		.5
9/10	.0	.0		.3	.6	.2	*	30	.0	1.2
7/8	.0	.0	.2	1.0	1.1	.1	.0	57	.0	2.4
6	.0	.0	.2	1.1	.7	.1	.0	51	.1	2.0
5	.0	.2	.7	1.6	1.0		.0	86	*	3.5
4		.3	1.2	3.2	1.0		.0	138	.1	5.6
3	.0	.4	2.6	3.2	.2	.0	.0	153	.2	6.1
2	.0	1.1	4.9	4.5	.2	.0	.0	258	.3	10.4
1	.1	2.2	6.5	3.1	.2	.0	.0	291	.3	11.8
0	.2	4.3	9.0	2.5		.0	.0	387	.5	15.6
-1	.3	4.3	6.3	1.7	.1		.0	306	.1	12.6
-2	.5	4.9		.5		.0	.0	260	.1	10.7
-3	.4	3.2	2.5	.3	.1	.0	.0	154	*	6.3
-4	.4	2.1	1.5	.3	.0	.0	.0	103	.1	4.1
-5	.2	1.2	1.1	.2	.0	.0	.0	65	.0	2.7
-6	.2	.5	.2	.0	*	.0	.0	25	.0	1.0
-7/-8	.1	.3	.3	.1	.0	.0	.0	21	.0	.9
-9/-10	.0	.2	.1		.0	.0	.0	10	.0	.4
TOTAL	59		1021		130		2		46	2365

PERIOD: (OVER-ALL) 1963-1973

				PC	T FREQ	OF WIND	SPEED	(KTS)	AND DIREC	CTION V	ERSUS S	EA HEIG	HTS (FT		
				N								NE			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	1.4	.0	.0	.0	.0	1.7		1.1	1.4		.0	.0	.0	2.5
1-2	.1	4.1	1.3	.0	.0	.0	5.5		.1	3.4	.9	.0	.0	.0	4.4
3-4	.0	2.1	1.9	.1	.0	.0	4.1		.2	2.5	2.0	.1	.0	.0	4.9
5-6	.0	.4	1.8	.3	.0	.0	2.5		.0	.0	1.1	.1	.0	.0	1.3
7	.0	.0	1.0	•2	.0	.0	1.1		.0	.1	.4	.4	.1	.0	1.0
8-9	.0	.0	.0	.4	.0	.0	.4		.0	.0	.4	.1	.0	.0	.5
10-11	.0	.0	.1	.4	.0	.0	.5		.0	.0	.0	.1	.0	.0	.1
12	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.1	.0	.0	.1
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
26-32 33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
TOT PCT	.4	8.1	6.0	1.4	.0	.0	15.9		1.5	7.4	4.9	1.0	.0	.0	14.8
101 101	•	0.1	0.0		••	.0	19.7		1.,	1.4	4.7	1.0	• 1	.0	14.0
				E								SF			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.7	.7	.1	.0	.0	.0	1.5		.4	.7	.0	.0	.0	.0	1.1
1-2	.1	2.9	.3	.0	.0	.0	3.2		.2	1.5	.2	.0	.0	.0	1.9
3-4	.1	.7	.8	.1	.0	.0	1.7		.1	.3	.4	.0	.0	.0	. 6
5-6	.1	.2	.2	.0	.0	.0	.5		.0	.1	.1	.2	.0	.0	.4
7	.0	.0	.2	.0	.0	.0	.2		.0	.0	.0	.0	.0	.0	.0
8-9	.0	.1	.1	.0	.0	.0	.2		.0		.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
TOT PCT	.9	4.6	1.7	.1	.0	.0	7.2		.7	2.6	.7	.2	.0	.0	4.3

050100.	. 0		1042						JUNE						******	
PERIOD:	(DAE	R-ALL)	1963-1	973				TABLE	18 (CONT)			AKEA	38.		.74
				Pr	T FREQ	0F - 1NO	cPEcD.	1475)	AND DIREC	TION	VERSIIS		HTC (FT			
						0	31.50		-HU DINE		.54303					
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	.0	.4	.0	.0	.0	.0	.4		.1	.3	.0		.0	.0	.5	
1-2	.1	3.2	.9	.0	.0	.0	4.1		.1	2.1		.0	.0	.0	3.3	
3-4	.0	.6	1.2	.1	.0	.0	1.9		.1	1.6	1.8	.2	.0	.0	3.7	
5-6	.0	.1	1.0	.2	.0	.0	1.3		.0		2.3	.3	.0	.0	2.7	
7	.0	.0	.1	.1	.0	.0	.1		.0	.0	1.0	.9	.0	.0	1.8	
8-9	.0	.1	.2	.0	.0	.0	.2		.0	.0	.2		.0	.0	.7	
10-11	.0	.0	.0	.1	.1	.0	.2		.0	.0	.0	.1	.0	.0	.1	
12	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0		.0	.0		
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0		.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.01	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.1	4.4	3.3	.5	•1	.0	8.3		.3	4.0	6.5	2.0	.0	•0	12.9	
												NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10		22-33	34-47	48+	PCT	PCT
<1	.6	1.5	.0	.0	.0	.0	2.1		.4	1.1		.0	.0	.0	1.5	
1-2	.0	3.8	1.2	.0	.0	.0	5.0		.1	4.5			.0	.0	6.1	
3-4	.2	1.9	2.3	.0	.0	.0	4.4		.1	1.7			.0	.0	4.3	
5-6	.1	.5	1.9	.2	.0	.0	2.7			.3		.3	.0	.0	2.4	
7	.0	.2	.9	.9	.2	.0	2.2		.0	.0		.6	.0	.0	1.3	
8-9	.0	.0	.7	.1	.0	.0	.0		.0	.0		.3	.0	.0	.4	
10-11	.0	.0	.0	.1	.1	.0	.2		.0	.0		.0	.1	.0	.1	
12	.0	.0	.0	.1	.0	.0	.1		.0	.0		.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
TOT PCT	.9	7.9	7.0	1.4	.3	.0	17.5		.7	7.5	6.5	1.3	.1	.0	16.1	96.9

	WIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	7.9	7.4	.1	.0	.0	.0	15.4	003
1-2	1.2	25.0	7.3	.0	.0	.0	33.5	
3-4	.8	11.2	12.8	.7	.0	.0	25.4	
5-6	•2	1.6	10.1	1.6	.0	.0	13.5	
7	•0	.3	4.1	3.0	.3	.0	7.6	
8-9	.0	.2	1.6	1.4	.0	.0	3.2	
10-11	•0	.0	.1	. 8	.3	.0	1.2	
12	•0	.0	.0	.1	.0	.0	.1	
13-16	•0	.0	.0	.1	.0	.0	.1	
17-19	•0	.0	.0	.0	.0	.0	.0	
20-22	•0	.0	.0	.0	.0	.0	.0	
23-25	•0	.0	.0	.0	.0	.0	.0	
26-32	•0	.0	.0	.0	.0	.0	.0	
33-40	•0	.0	.0	.0	.0	.0	.0	
41-48	•0	.0	.0	.0	.0	.0	.0	
49-60	•0	.0	.0	.0	.0	.0	.0	
51-70	•0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								1034
TOT PCT	10.1	45.7	36.0	7.6	.6	.0	100.0	

TABLE 1

AREA 0001 AZORES 38.1N 26.7W

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HATL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	
N	1.3	1.1	1.4	.0	.0	.0	.0	3.8	3.2	:0	:4	.0	.3	.0	92.4
NE	.5	• 1	2.1	.0		• 0		2.4	2.7					.0	94.6
E	1.1	• 2	1.5	.0	.0	•0	.0	2.8	1.0	.0	.0	•0	.3	.0	95.8
SE	1.3	1.1	.4	.0	.0	•0	.0	2.8	3.5	.0	.0	.0	2.2	.0	91.5
S	1.6	2.3	3.3	.0	.0	.0	.0	6.7	2.4	.5	.4	.0	.0	.0	90.0
SW	2.4	.6	3.3	.0	.0	.0	.0	5.9	2.9	.4	1.2	.0	1.9	.0	87.7
	.6	.9	1.4	.0	.0	•0	.0	2.5	1.0	.0	2.2	.0	2.0	.0	92.3
NW	1.0	.8	1.8	.0	.0	.0	.0	3.6	.7	.0	1.0	.0	1.0	.0	93.7
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.7	.0	.0	•0	.0	.7	2.0	.0	.0	.0	2.0		95.4
TOT PCT	1.0	.7	1.8	.0	.0	.0	.0	3.4	2.1	.1	.6	.0	.9	.0	92.9

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			P	RECIPI	TATION	TYPE					OTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUS BLWG SND	
60300	1.5	1.0	2.3	.0	.0	.0	.0	4.6	2.1	.2	.5	.0	.3	.0	92.3
90330	1.1	• 8	2.7	.0	.0	•0	.0	4.5	3.3	.2	.8	.0	1.3		90.0
12615	.6	.6	1.1	.0	.0	•0	.0	2.2	1.6	.0	.6	.0	.9	.0	94.7
18621	.8	.6	1.1	.0	.0	•0	.0	2.5	1.6	.2	.5	.0	.9	.0	94.4
TOT PCT	1.0	.8	1.8	.0	.0	•0	.0	3.4	2.1	.1	.6	.0	.9	.0	92.9

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

						-												
		WI	ND SPE	ED (KN	OTS)								HOUR	(GMT)				
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	FREQ	MEAN	00	03	06	09	12	15	18	21	
N NE	1.5	8.8	5.0	:4		.0		15.6	9.7	18.0	15.5	15.1	13.7		13.6	15.9		
E	1.6	7.2	2.4			.0		11.2	8.1	11.8	8.7	10.9	9.1	13.9	8.0		8.4	
SE	.8	3.6	.7	.1	.0	.0		5.2	7.4	6.2	4.9	4.2	2.6	5.4	5.8	6.2	3.9	
S	1.2	4.1	1.8	.1	.0	.0		7.2	8.5	7.6	7.5	8.7	5.0	8.2	5.6	6.8	3.1	
SW	1.3	5.5	3.2	.7	.0	.0		10.6	10.1	7.1	11.1	10.1	13.3	10.4	15.1	11.0	12.1	
W	1.6	7.6	3.1	.5	.0	.0		12.9	9.1	12.1	13.7	11.9	15.0	11.4	14.9	12.7	17.2	
NW	2.0	7.7	3.2	.2	.0	.0		13.2	8.6	10.9	16.3	14.2	14.4	11.2	14.8	12.5	16.6	
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	7.1							7.1	.0	9.0	7.2	8.1	7.8	6.3	3.4	5.8	9.4	
TOT OBS	676	2000	889	86	0	0	3651		8.3	581	221	749	231	620	238	778	233	
TOT PCT	18.5	54.8	24.3	2.4	.0	-0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TABLE 3A

WND DIR	0-6	WIND 7-16	SPEED 17-27		41+	TOTAL	PCT	MEAN SPD	00	HDUI 06 09	12 15	18 21
N NE	4.8	9.1	1.6	:1	.0		15.6	9.7	17.3	14.8	15.4	15.3
E	4.9	5.8	.5		.0		11.2	8.1	11.0		12.2	11.1
SE	2.7	2.3	.2	.0	.0		5.2	7.4	5.8		5.5	5.6
S	3.2	3.3	.6	.1	.0		7.2	8.5	7.5	7.8	7.5	6.0
SW	3.2	5.9	1.3	.1	.0		10.6	10.1	8.2		11.7	11.2
W	5.2	6.4	1.2	.1	.0		12.9	9.1	12.6		12.4	13.7
NW	5.5	6.5	1.1	.1	.0		13.2	8.6	12.4	14.3	12.2	13.5
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	•0
CALM	7.1						7.1	.0	8.5	8.1	5.5	6.6
TOT OBS	1560	1786	286	19	0	3651	100	8.3	802	980	858	1011
TOT PCT	42.7	48.9	7.8	.5	.0		100.0		100.0	100.0	100.0	100.0

PERIOD: (PRIMARY) 1926-1973 (OVER-ALL) 1855-1973

TABLE 4

AREA 0001 AZORES 38.1N 26.7W

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

				WIND	SPEED (KNOTS)			PCT	TOTAL
HOUR	CALM	1-3	4-10	11-21	22-33	34-47	48+	MEAN	FREQ	OBS
00603	8.5	11.5	53.1	25.8	1.1	.0	.0	8.2	100.0	802
90300	8.1	13.3	55.0	21.6	2.0	.0	.0	7.8	0.001	980
12615	5.5	10.6	58.0	22.8	3.0	.0	.0	8.5	100.0	858
18421	6.6	10.1	53.1	27.1	3.1	.0	.0	8.8	100.0	1011
TOT	261	415	2000	889	86	0	0	8.3		3651
PCT	7.1	11.4	54.8	14.3	2.4	.0	-0		100.0	

TABLE 5

TABLE 6

,	CT FRE			LOUD A		(EIGHTHS)		- 1					CEILIN NH <5/					
WND DIR	0-2	3-4	5-7	8 &	TOTAL	CLOUD COVER	000 149	150 299	300 599	600	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8	
N	4.0	4.2	5.9	2.4		4.5	.1	.0	.3	1.4	2.5	1.2	.2	.2		.0	10.6	
NE	4.2	4.4	5.7	3.7		4.7	.1	.1	.1	1.2	3.3	1.8	.5	.3	.1		10.6	
E	4.0	2.2	5.0	2.4		4.6	.0	.0	.1	1.1	2.0	1.4	.5	.0	.2	.0	8.3	
SE	1.5	1.3	1.9	1.1		4.5		.0	.1	.4	1.0	.5	.2	*			3.5	
S	2.4	2.3	2.4	1.3		4.2	.1	.0	.1	.5	. 8	.6	.3	.1	.0	.0	5.9	
SW	2.9	1.7	2.2	1.9		4.3		.1	.4	. 8	1.0	.5	.3	.1	.0		5.5	
	3.8	2.0	3.6	1.5		4.1	.1	.1	.3	.9	1.4	.7	.2	*	.0	.0	7.3	
NH	3.1	2.6	4.0	1.5		4.4		.0	.2	.7	1.6	1.0	.5	.1	.0	.0	7.1	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	3.5	1.5	1.3	.6		3.0		.0		.4	.4	.2	.2	.0	.0	.0	5.6	
TOT OBS	614	464	664	339	2081	4.3	10	5	34	153	293	161	58	16	8	3	1340	2081
TOT PCT	29.5	22.3	31.9	16.3	100.0		.5	.2	1.6	7.4	14.1	7.7	2.8	. 8	.4	.1	64.4	100.0

TABLE 7

CUMULATIVE	PCT F	REQ DF	SIMULT	ANFOL	S DC	CURRENCE
OF CEILIN	IG HET	GHT (N	H >4/8)	AND	VSBY	(NM)

				VSBY (NM)			
CEILING	· OR	= DR	· OR	. OR	. DR	# OR	- DR	- DR
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
= UR >6500	.5	.5	.5	.5	.5	.5	.5	.5
■ DR >5000	1.1	1.4	1.4	1.4	1.4	1.4	1.4	1.4
= DR >3500	3.7	4.2	4.2	4.2	4.2	4.2	4.2	4.2
■ DR >2000	10.7	11.7	11.8	11.9	11.9	11.9	11.9	11.9
■ DR >1000	22.2	25.4	25.7	25.8	25.9	25.9	25.9	25.9
■ DR >600	27.8	32.7	33.2	33.3	33.3	33.3	33.3	33.3
- OR >300	28.7	34.2	34.8	34.8	34.9	34.9	34.9	34.9
- OR >150	28.9	34.4	35.0	35.1	35.1	35.1	35.1	35.1
- OR > 0	29.2	34.8	35.4	35.5	35.6	35.6	35.6	35.6
TOTAL	624	743	757	759	761	761	761	761

TOTAL NUMBER OF OBS: 2138 PCT FREQ NH 45/8: 64.4

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	пвѕсо	TOTAL
8.9	13.4	18.2	14.0	10.0	8.1	8.0	8.0	11.3	.2	2233

JULY

PERIOD: (PRIMARY) 1926-1973 (DVER-ALL) 1855-1973 AREA 0001 AZDRES 38.1N 26.7W PERCENT FREO OF WIND DIRECTION VS OCCURRENCE OF NON-DOCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY SF VAR CALM PCT TOTAL SW W NW

.0 .0 .0 .0
.0 .0 .0
.1 .2 .1
.0 . . .
.1 .2 .1
.0 . . .
.1 .2 .1
.1 .2 .1
.2 .1 .2
.3 .2 .2 .0 .0 .0 .0 .0 :1:2:2 .0 .0 .4 .0 .0 .6 .0 .0 1.0 .0 .0 1.7 .0 .4 11.9 .0 .4 13.6 .3 .2 .2 1.8 1.6 2.0 2.1 1.8 2.2 10+ PCP 14.0 15.1 11.1 4.9 TOT % 14.2 15.2 11.3 5.0 .0 .0 1.0 .0 5.8 83.7 .0 5.8 84.7 6.5 7.2 9.2 9.2

TOT OBS TOT PCT 16.4 17.2 13.0

TABLE 9

5.5 8.1 9.7 11.4 12.5 .0 6.2 100.0

2436

VSBY (NM) <1/2	SPD KTS 0-3 4-10 11-21	. o	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL
<1/2	4-10	.0											DBS
(1/2			.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11 21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
		.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	0-3	.0	.0	.0	.0	.0		.0	.0	.0	.0		
1/2<1	4-10	.0	.0	.0	.0	.0		.1	.1	.0		.2	
	11-21		.0	.0	.0		.1	.1		.0		.2	
	22+	.0	.0	.0	.0	.0	.0		.0	.0			
	TOT %		.0	•0	.0	*	.1	.2	.1	.0	.0	.5	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	4-10		.1	.0	.0	.0				.0		.1	
	11-21	.0	.0	.0	.0	.0	.0	.1		.0		.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %		.1	.0	.0	.0		.1	.1	.0	.0	.2	
	0-3	.0	.0	.0		.0		.1		.0		.2	
2<5	4-10	.1	.1	.0	.1	.1	.1	.1	.1	.0		.5	
	11-21	.1	.2			.1	. 1	.0	.1	.0		.6	
	22+	.0	.0	.0		.0			.0	.0		.1	
	TOT %	•2	.2		•1	•1	.2	.2	.2	.0		1.4	
	0-3	.3	.2	.3		.2	.1	.1	.4	.0	.5	2.2	
5<10	4-10	1.1	1.0	1.0	.4	.6	1.0	1.4	1.0	.0		7.5	
	11-21	.6	.5	.3	.1	.4	1.2	.5	.5	.0		4.0	
	22+	.1	.1			.1	.1	.1		.0		.5	
	TOT \$	2.1	1.9	1.5	.6	1.2	2.4	2.1	2.0	.0	.5	14.2	
	0-3	1.1	1.2	1.3	3.3	1.0	1.2	1.5	1.3	.0	6.2	15.6	
10+	4-10	7.7	8.8	6.8	3.3	3.5	3.9	6.0	6.5	.0		46.5	
	11-21	4.4	4.3	2.4	.7	1.6	2.1	2.4	2.4	.0		20.3	
	22+	3	3	:	*		4	1	1	.0		1.3	
	TOT *	13.5	14.6	10.5	4.8	6.1	7.6	10.0	10.3	•0	6.2	83.7	
Ţ	OT OBS	15.8	16.7	12.0	5.5	7.5	10.3	12.6	12.7	.0		100.0	2936

PERIOD: (PRIMARY) 1926-1973 (OVER-ALL) 1855-1973

TABLE 10

AREA 0001 AZORES 38.1N 26.7W

PERCENT FREQUENCY OF CELLING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 by HOUR

HOUR (GMT)	000	150 299	300 599	999	1000	2000 3499	3500	5000	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL
00603	.4	.0	1.5	6.0	10.6	6.3	1.9	.7	.4	.0	27.8	72.2	536
06609	.8	. 8	2.5	9.1	14.4	8.5	4.2	1.3	.0	.2	41.7	58.3	527
12615	.7	.2	1.4	7.5	14.2	7.5	3.6	.2	.5	.2	36.0	64.0	583
16621	.0	.0	. 9	6.3	15.2	7.9	1.4	1.1	.5	.2	33.5	66.5	559
PCT	10	.2	34	159	301	167	2.8	18	.4	3	766 34.7	1439	2205

TABLE 11

TABLE 12

		PERCENT	FREQUEN	CY VSBY	(NM)	RY HOUR		CUMULAT					VSBY (NM)	
HOUR (GHT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL DBS
00603	.0	.3	.4	2.0	13.4	83.9	709	00603	.4	1.9	8.9	19.8	71.3	516
90300	.0	.8	.5	1.5	19.1	78.1	784	90360	.8	4.3	13.8	29.1	57.1	508
12615	.0	.4	.1	.8	10.3	88.4	749	12615	.7	2.3	10.5	26.2	63.3	572
18621	.0	.5	.0	1.2	13.9	94.5	779	18621	.0	.9	7.9	26.6	65.5	542
TOT PCT	.0	15	8	1.4	430	2527 83.6	3021 100.0	TOT PCT	10	50 2.3	219	544 25.4	1375	2138

TABLE 1

TABLE 14

					ABLE I	3									TABL	E 14				
	PERC	ENT FR	EQUENC	Y OF R	ELATIV	E HUMI	DITY B	Y TEMP	TOTAL	РСТ	• }	PER	ENT FR	EQUENC	Y OF W	IND DI	RECTIO	IN BY T	EMP	
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	nas	FREQ	N	NE	E	SE	S	SW	W	NW	VAR	CALM
85/89	.0			.0	.0	.1	.0	.0	2	.1		.0	.0	.0			.0	.0	.0	.0
80/84	.0	.0	.0	.3	.7	.4	.1	.1	35	1.7	.3	.1	.2	*	.2	.3	.4	.1	.0	.1
75/79	.0	.0	.1	.7	1.8	4.1	2.4	1.0	206	10.3	1.1	1.6	1.4	.4	.9	1.6	1.2	1.3	.0	.7
70/74	.0	.0	.0	.7	6.5	14.4	16.3	11.2	985	49.1	7.2	6.8	5.6	3.4	4.7	6.0	6.3	5.9	.0	3.2
65/69	.0	.0	.0	.5	3.2	11.8	13.3	7.7	731	36.4	7.4	8.6	5.2	1.6	2.1	2.2	2.8	4.5	.0	2.1
60/64	.0	.0	.0	.0	.3	.7	.7	.6	48	2.4	.9	.9	.2	.1	*	.0	.0	. 3	.0	.1
TOTAL	0	0	2	44	252	635	661	413		100.0										-
PCT	.0	.0	.1	2.2	12.6	31.6	32.9	20.6			16.9	18.0	12.6	5,6	8.0	10.0	10.6	12.2	.0	6.2

TABLE 15

	MEANS,	EXTREM	ES AND	PERCEN	TILES	OF TE	IP (DE	G F) B	Y HOUR
HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL
00803	79 82	76 76	74	70	65	63	61	69.5	820 992
12615	86	81	79	72	67	65	63	72.2	846
18621	86	82	78	72	67	65	63	72.3	992

	PERC	ENT FRE	QUENCY	OF RELA	TIVE H	NAIDIAA	BY HOUR	
HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
60300 60300	:0	:6	7.4	30.1	38.7	23.2	82 83	512 517
12615	.0	3.8	17.5	35.4	28.5	14.8	78	526
18621	.0	3.7	19.7	35.0	26.9	14.7	77	517
TOT	0	46	255	657	690	424	80	2072

JULY

PERIOD: (PRIMARY) 1926-1973 (QVER-ALL) 1855-1973

TABLE 17

AREA 0001 AZORES 38.1N 26.7W

PLI PRES OF AIR	VS		SEA T		ATURE	DIFF	ERENC	E (DEG	F)	PREC	IFITATIO	4,
	AIR-SEA	61	65	69 72	73 76	77	81 64	85 88	тот	FOG	FOG	
	14/16	.0	.0	.0	.0	.0		.0	1	.0		
	11/13	.0	.0	.0		.1	. 2	.1	10	.0	.5	
	9/10	.0		.0	.0	.6	.5	.0	27	.0	1.2	
	7/8	.0		.1	.9	1.1	.2	.0	54	.0	2.4	
	6	•0	.0	.0	1.0	.4	.0	.0	31	.0	1.4	

PERIOD: (OVER-ALL) 1963-1973

				PC	T FREQ	OF WIND	SPEED	(KTS)	AND DIRE	TION V	ERSUS S	FA HEIG	HTS (FT)		
				N								NE			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.9	1.5	.0	.0	.0	.0	2.4		.4	2.1	.0	.0	.0	.0	2.5
1-2	.2	6.2	1.6	.0	.0	.0	8.0		.1	7.1	1.3	.0	.0	.0	8.5
3-4	.0	2.3	1.8	.2	.0	.0	4.3		.1	2.5	2.1		.0	.0	4.8
5-6	.0	.5	.9	.0	.0	.0	1.4		.0	1.2	1.5	.1	.0	.0	2.9
7	.0	.0	.6	.0	.0	.0	.6		.0	.0	.2	.0	.0	.0	. 2
8-9	.0	.0	.4	.0	.0	.0	.4		.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
	.0		.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
26-32 33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
41-48		.0	.0			.0	.0		.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
/1-00			.0			.0	.0		.0	.0	.0	.0	.0	.0	.0
87+ TOT PCT	1.1	10.5	5.2	.0	.0	.0	17.0		.0	0	.0	.0	.0	.0	18.9
141 761	1.1	10.5	3.2		.0	.0	17.0		.6	12.9	5.1		.0	.0	18.9
				E								SE			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.1	1.6	.0	.0	.0	.0	2.7		.2	.6	.0	.0	.0	.0	.8
1-2	.1	4.3	1.0	.0	.0	.0	5.4		.2	1.5	.1	.0	.0	.0	1.8
3-4	.0	1.7	1.6	.0	.0	.0	3.3		.0	.6	.4	.0	.0	.0	1.0
5-6	.0	.3	.8	.0	.0	.0	1.1		.0	.2	.1	.0	.0	.0	.2
7	.0	.0	.3	.0	.0	.0	.3		.0	.1	.0	.0	.0	.0	.1
8-9	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
	.0		.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0		.0	•0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0		.0	.0		.0	•0	.0	.0	.0	.0	.0
TOT PCT	1.2	8.0	3.7	.0	.0	.0	0		.0	.0	.0	.0	.0	.0	.0
.01 -01	1.2	0.0	3.1	.0	•0	.0	12.9		.4	2.9	.6	.0	•0	.0	4.0

AREA 0001 AZORES 38.1N 26.7W

PCT FRED OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

TABLE 18 (CONT)

				PC	T FREQ	OF WIND	SPEED	(KTS)	AND DIRE	CTION V	ERSUS S	EA HEIG	HTS (FT			
				s								SW				
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	.7	. 8	.0	.0	.0	.0	1.5		1.0	1.1	.0	.0	.0	.0	2.1	
1-2	.1	2.3	.6	.0	.0	.0	3.0		.0	2.9	.3	.0	.0	.0	3.3	
3-4	.2	1.5	1.0	.0	.0	.0	2.8		.1	1.2	1.6	.2	.0	.0	3.1	
5-6	.0	.1	.5	.0	.0	.0	.6		.0	.0	.5	.4	.0	.0	.9	
7	.0	.0	.1	.0	.0	.0	.1		.0	.1	.5	.0	.0	.0	.6	
8-9	.0	.0	.1	.0	.0	.0	.1		.0	.0	.4	.1	.0	.0	.6	
10-11	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	•0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0		
26-32	.0	.0	.0		.0	.0	.0		.0	.0		.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0		.0		.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
87+		.0	.0	.0	.0	.0	.0		.0		.0	.0	.0	.0	.0	
TOT PCT	1.1	4.8	2.3	.0	.0	.0	8.1		1.1	5.3	3.3	.8	.0	.0	10.5	
101 701	1.1	4.0	2.5	.0	•11	.0	0.1		1.1	2.3	2.3		.0		10.5	
												NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.6	1.4	.0	.0	.0	.0	2.0		1.1	.9	.0	.0	.0	.0	2.1	
1-2	.2	3.7	1.3	.0	.0	.0	5.1		.4	3.7	.2	.0	.0	.0	4.3	
3-4	.1	1.6	1.3	.1	.0	.0	3.0		.2	1.9	.6	.2	.0	.0	2.8	
5-6	.0	.2	.1	.2	.0	.0	.6		.0	.1	.4	.0	.0	.0	.6	
7	.0	.0	.2	.1	.0	.0	.4		.0	.0	.3	.0	.0	.0	.3	
8-9	.0	.1	.2	.0	.0	.0	. 3		.0		.0	.0	.0	.0		
10-11	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.9	6.9	3.1	.4	.0	.0	11.4		1.7	6.7	1.6	.2	.0	.0	10.1	92.9

	WIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	14.0	9.9	.0	.0	.0	.0	23.8	003
1-2	2.3	31.0	6.3	.0	.0	.0	39.6	
3-4	• 7	13.0	10.2	.7	.0	.0	24.7	
5-6	•0	2.6	4.7	.7	.0	.0	8.1	
7	•0	.2	2.2	.1	.0	.0	2.5	
8-9	•0	.1	1.1	.1	.0	.0	1.3	
10-11	•0	.0	.0	.0	.0	.0	.0	
12	•0	.0	.0	.0	.0	.0	.0	
13-16	•0	.0	.0	.0	.0	.0	.0	
17-19	•0	.0	.0	.0	.0	.0	.0	
20-22	•0	.0	.0	.0	.0	.0	.0	
23-25	•0	.0	.0	.0	.0	.0	.0	
26-32	•0	.0	.0	.0	.0	.0	.0	
33-40	•0	.0	.0	.0	.0	.0	.0	
41-48	•0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	•0	.0	.0	.0	.0	.0	.0	
71-86	•0	.0	.0	.0	.0	.0	.0	
87+	•0	.0	.0	.0	.0	.0	.0	
								831
TOT PCT	17.0	56.9	24.4	1.7	.0	.0	100.0	

PERIOD: (OVER-ALL) 1949-1973

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)
1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-6

PERIOD	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN
(SEC)																					HGT
<6	6.1	19.4	17.6	4.0	1.1	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	839	3
6-7	.3	2.6	7.1	8.0	1.7	.9	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	359	4
8-9	.1	1.1	1.6	2.0	1.4	.9	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	125	5
10-11	.0	. 3	1.2	1.0	.6	.3	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	67	5
12-13	.0	.0	.4	.2	.1	.1	.0	•0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	13	4
>13	.0	.0	.0	.2	.2	.0	.1	.1	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	10	8
INDET	9.0	3.5	3.0	1.8	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	306	2
TOTAL	266	463	531	298	93	48	14	5	0	0	1	0	0	0	0	0	0	0	0	1719	3
PCT	15.5	26.9	30.9	17.3	5.4	2.8	.8	• 3	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

AUGUST

PERIOD: (PRIMARY) 1930-1970 (OVER-ALL) 1855-1970

TABLE 1

AREA 0001 AZORES 38.1N 26.7W

PERCENT	FREGUENCY	DE	WEATHER	DCCURRENCE	RY	WIND	DIRECTION

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	NO SIG WEA
N NE	.3	1.0	1.0	.0	.0	•0	.0	2.2	2.2	.0	1.0	:0	.2	.0	94.4
E	.2	.4	2.5	.0	.0	.0	.0	3.1	4.9	.4	.4	.0	.4	.4	90.5
SE	1.5	.0	1.9	.0	.0	.0	.0	2.8	5.7	.0	1.0	.0	.7	.0	89.8
S	2.2	1.2	.8	.0	.0	•0	.0	4.3	1.6	.0	.0	.0	2.9	.0	91.2
SW	2.1	1.4	2.0	.0	.0	.0	.0	5.5	4.0	.3	.0	.0	1.7	.0	88.5
W	1.8	.8	.6	.0	.0	.0	.0	3.0	4.3	.0	.5	.0	2.8	.0	89.5
NW	.9	1.5	1.2	.0	.0	.0	.0	3.6	4.9	.0	.0	.0	.6	.0	90.9
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	2.9	.0	.0	.0	1.9	.0	95.1
TOT PCT	2333	.9	1.2	.0	.0	.0	.0	3.1	3.6	.1	.4	.0	1.2		91.4

TABLE 2

DERCENT	ERECHENCY	DE	WEATHER	OCCURRENCE	BV	HOUR

			P	RECIPI	TATION	TYPE					OTHER	WEATHER	PHEND	MENA		
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPR BLWG BLWG	DUST	NO SIG WEA
00603 06609 12615 18621	.7 1.8 .9 1.0	1.3 1.4 .7	2.0 1.6 .9	.0	.0	•0	.0	3.0 4.6 3.1 2.0	3.0 6.1 3.1 2.2	.2	.5 .7 .3	.0	1.5 1.1 1.4 .8		.0	91.6 87.2 92.1 94.8
TOT PCT TOT OBS:	2392	1.0	1.2	.0	.0	•0	•0	3.2	3.6	.1	.4	.0	1.2		*	91.4

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		WIN	D SPE	ED (KNO	DTS)								HOUR	(GMT)			
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	FREQ	SPD	00	03	06	09	12	15	18	21
N NE	1.6	7.3	4.1		.0	.0		13.2	9.3	14.5	14.0	14.7	14.3		15.5	11.8	
E	.9	6.4	3.5		.0	.0		11.0	9.4	12.0		9.2			9.2	10.8	
SE	.5	3.4	1.3			.0		5.4	9.0	5.0					4.5	6.0	
5	1.0	3.0	1.7	.3	.0	.0		6.0	9.6	5.6	3.9	7.1	6.4	6.9	6.4	5.4	3.3
SW	1.0	6.2	4.9	.9	.0	.0		13.0	11.0	11.3	12.4	13.7	14.7	13.4	14.7	13.6	9.0
W	1.9	8.2	5.8	.6	.0	.0		16.5	10.1	16.4	11.7	17.8	14.3	19.1	16.8	16.6	9.7
NW	1.3	7.0	3.4	.5	.0	.0		12.2	9.3	11.8	15.2	11.7	14.8	10.7	12.1	11.8	16.2
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	5.9							5.9	.0	6.9	8.7	6.5	5.9	3.1	4.3	5.5	10.8
TOT OBS	537	1772	1046	111	0	0	3466		9.2	611	184	723	203	589	211	750	195
TOT PCT	15.5	51.1	30.2	3.2	.0	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WND DIR	0-6	7-16	SPEED 17-27	(KNDTS) 28-40	41+	TOTAL	PCT	MEAN SPD	00	06 09	12 15	18 21
N	4.6	7.2	1.4	.0	.0		13.2	9.3	14.4	14.6	11.7	12.1
NE				.1	.0		16.8	9.7	17.1	14.0	17.2	18.9
E	3.8	6.4	.7		.0		11.0	9.4	12.1	9.2	11.7	11.3
SE	2.3	2.7	.4		.0		5.4	9.0	4.3	5.6	6.1	5.5
5	2.3	2.7	. 8	.2	.0		6.0	9.6	5.3	6.9	6.8	5.0
SW	3.5	7.0	2.4	.1	.0		13.0	11.0	11.5	13.9	13.7	12.6
W	5.3	8.9	2.2	.1	.0		16.5	10.1	15.3	17.1	18.5	15.2
NW	4.7	6.2	1.2	.2	.0		12.2	9.3	12.6	12.4	11.1	12.7
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	5.9						5.9	.0	7.3	6.4	3.4	6.6
TOT OBS	1312	1757	377	20	0	3466		9.2	795	926	800	945
TOT PCT	37.9	50.7	10.9	.6	.0	- 1-1-1	100.0		100.0		100.0	

PERIOD: (PRIMARY) 1930-1970 (OVER-ALL) 1855-1970

TABLE 4

AREA 0001 AZORES 38.1N 20.7W

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

				WIND	SPEED (KNOTS)			PCT	TOTAL
HOUR	CALM	1-3	4-10	11-21		34-47	48+	MEAN	FREQ	085
00603	7.3	7.9	54.2	27.3	3.3	.0	.0	8.9	100.0	795
90300	6.4	9.6	52.6	28.2	3.2	.0	.0	9.0	100.0	926
12615	3.4	10.5	48.1	35.3	2.8	.0	.0	9.0	100.0	800
18621	6.6	10.1	49.6	30.3	3.5	.0	.0	9.2	100.0	945
TOT	206	331	1772	1046	111	0	0	9.2		3466
PCT	5.9	9.5	51 1	30.2	3.2	-0	. 0		100.0	

TABLE 6

,	PCT FRE			LOUD A		EIGHTHS)		- 1	PERCEN	TAGE F	REQUEN	CY OF	CEILIN NH <5/	G HEIG	HTS (F	RECTIO	4/8) JN	
WNO DIR	0-2	3-4	5-7	8 & 085CD	TOTAL	COVER	000 149	150 299	300 599	600 999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	
N	4.0	3.5	3.9	1.4		4.1	.1		.2	.7	1.6	1.2	.3	.2	.0		8.4	
NE	5.2	4.5	4.9	2.3		4.1		.0	.1	1.0	2.6	1.2	.4	*		.0	11.4	
E	3.1	3.3	4.2	1.7		4.4		.0	.2	.9	1.5	1.4	.3	.1	.0	.1	7.7	
32	1.9	1.4	2.0	1.0		4.3		.0	.1	.9	.6	.3	.1		.0	.1	4.1	
5	2.1	. 8	1.5	.8		4.0		.0	.2	.2	.4	.3	.3	.0	.0	.0	3.7	
SW	5.0	2.5	3.6	2.2		4.1	.0		.1	1.2	1.3	.6	.4	.2	.0	.1	9.3	
	5.7	4.2	5.3	2.7		4.2	.1		.4	1.7	1.8	1.0	.3	.1		.1	12.2	
NW	2.7	3.4	3.6	1.5		4.3			.3	1.1	1.2	. 8	.2		.0		7.5	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	2.2	.9	1.2	.1		3.1	.0	.0		.2	.5	.0		.0	.0	.0	3.6	
TOT DBS	639	487	607	277	2010	4.1	7	2	35	159	230	139	49	13	2	10	1364	2010
TOT PCT	31.8	24.2	30.5	13.8	100.0		.3	.1	1.7	7.9	11.4	6.9	2.4	.6	.1	.5	67.9	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

					VSBY (NM)			
C	EILING	. DR	. OR	. DR	- DR	- OR	- OR	- DR	- DR
(1	FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
DR	>6500	.4	.6	.6	.6	.6	.6	.6	.6
OR	>5000	.8	1.2	1.3	1.3	1.3	1.3	1.3	1.3
OR	>3500	2.8	3.5	3.7	3.7	3.7	3.7	3.7	3.7
OR	>2000	8.9	10.3	10.5	10.5	10.5	10.5	10.5	10.5
OR	>1000	18.6	21.5	22.1	22.1	22.1	22.1	22.1	22.1
DR	>600	23.7	28.8	29.8	29.8	29.8	29.8	29.8	29.8
OR	>300	24.6	30.4	31.4	31.4	31.5	31.5	31.5	31.5
OR	>150	24.6	30.5	31.5	31.5	31.6	31.6	31.6	31.6
OR	> 0	24.7	30.8	31.9	31.9	31.9	31.9	31.9	31.9
	TOTAL	505	630	653	653	654	654	654	654

TOTAL NUMBER OF OBS: 2048 PCT FREQ NH 45/8: 68.1

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 OBSCO OBS 7.9 16.3 18.8 14.6 10.5 6.3 9.0 7.1 9.2 .2 2154

								AL	IGUST							
PERIOD: (P	RIMARY) 1	930-1970 855-1970						TA	BLE 8				ARE	A 0001	AZORE	5 26.71
			P	ERCENT	FREQ PREC	F WIN	D DIRE	CTION TH VAR	VS DCC	ALUES	E DR N	DN-DCC	URRENC	E OF		
	VSBY (NM)		N	NE	E	SF	5	SW	W	NH	VAR	CALM	PCT	TOTAL		
		PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			
	<1/2	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			
		TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			
		PCP	.0	.0	.0	.0	.0	.0	.0		.0	.0				
	1/2<1	NO PCP	.0	.0	.0	.0	.0	.0			.0	.0	.1			
		TOT &	.0	.0	.0	.0	.0	.0		.1	.0	.0	.1			
		PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			
	1<2	NO PCP			.0	.0	.0	.0	.0	.0	.0	.0				
		TOT %			.0	.0	.0	.0	.0	.0	.0	.0				
		PCP		.1	.1	.1	.0	.0			.0	.0	.3			
	2<5	NO PCP	.0	. 2	:1	.1		.0	.4	.1	.0		1.2			
		TOT &		. 3	.2	.1		.2	.5	.1	.0	*	1.5			
		PCP	.2	.2	.2	.1	.2	.5	.4	.2	.0	.0	1.9			
	5<10	NO PCP	1.4	1.6	1.0	.6	.6	2.0	2.5	1.1	.0	.2	11.0			
		TOT %	1.5	1.8	1.2	. A	.8	2.5	2.9	1.3	.0	.2	13.0			
		PCP		.1	.2	.0		.2	.1	.2	.0	.0	.9			
	10+	NO PCP	11.0	14.5	10.7	5.3	4.4	10.1	14:7	9.6	.0	4.2	84.5			
		TOT &	11.0			5.3	4.5	10.3	14.8	9.8	-0	4.2	85.4			

TOT DBS 2329 TOT PCT 12.6 16.8 12.2 6.2 5.3 13.0 18.2 11.3 .0 4.4 100.0

TABLE 9

VSBY	SPD	N	NE	E	SE	5	SW	W	NW	VAR	CALM	PCT	TOTAL
(MM)	KTS				36	3							DBS
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	.0	.0	.0		*	.0	.0	.0	.0			
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0		*	.0	.0	.0	.0	.0		
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	4-10	.0	.0		.0	.0	.0	*	*	.0		.1	
	11-21	.0	.0	.0	.0	.0	.0	.0		.0			
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0		.0	.0	.0		.1	.0	.0	.1	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	4-10			.0	.0	.0	.0		.0	.0		.1	
	11-21	.0	.0	.0	.0	.0	.0		.0	.0			
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT \$.0	.0	.0	.0	.1	.0	.0	.0	.1	
	0-3	.0		.0	.0	.0	.0	.1	.0	.0	.1	.2	
2<5	4-10		.1	.1	.1	*	.1	.1	*	.0		.5	
	11-21	.0	.1	.1		*	.1	.3	.1	.0		.6	
	22+	.0	.0		.1	.0	*		.0	.0		.1	
	TOT %		.2	.1	.1	.1	.1	.4	.1	.0	.1	1.3	
	0-3	.2	.1	.1		.1	.2	.3	.1	.0	.2	1.1	
5<10	4-10	.7	.8	.6	.3	.2	.7	.8	.6	.0		4.6	7
	11-21	.6	.8	.5	.3	.2	1.1	1.4	.5	.0		5.4	
	22+			.0		. 2	.4	.1	.2	.0		.9	
	TOT %	1.5	1.7	1.1	.6	.7	2.3	2.6	1.3	.0	.2	12.0	
	0-3	1.4	1.0	.8	.5	1.0	.7	1.4	1.0	.0	5.2	13.0	
10+	4-10	6.0	8.1	5.8	3.3	2.7	4.9	7.2	6.0	.0		44.1	
	11-21	3.5	5.1	3.5	1.2	1.6	4.0	4.9	3.0	.0		26.8	
	22+	.2	.3	.2	. 2	5.5	.5	.4	.3	.0		2.4	
	TOT %	11.2	14.5	10.3	5.2	5.5	10.2	14.0	10.3	.0	5.2	86.3	
	OT OBS												2881
T	DT PCT	12.8	16.4	11.6	6.0	6.2	12.7	17.1	11.8	.0	5.5	100.0	

AUGUST

PERIOD:	(PRIMARY)	1930-1970
	IDVER-ALL 1	1855-1970

TABLE 10

AREA 0001 AZORES 38.1N 26.7W

PERCENT FREQUENCY OF CEILING HFIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TUTAL	NH <5/8 ANY HGT	TOTAL	
00503	.2	.2	.6	7.3	11.4	5.2	1.5	.7	.2	.9	28.2	71.8	536	
90300	.4	.0	2.2	10.0	12.8	8.4	2.2	.8	.2	.4	37.3	62.7	509	
12615	.7	.2	2.2	6.7	10.8	6.5	3.5	.7	.0	.2	31.6	68.4	538	
18821	.0	.0	1.7	6.1	9.7	6.4	2.4	.2	.0	.6	27.0	73.0	544	
TOT	7	2	35	159	237	141	51	13	2	11	658	1469	2127	

TABLE 11

TABLE 12

		PERCENT	FREQUEN	CY VSB	((NM)	BY HOUR		CUMULAT	IVE PCT	FREQ G HGT	OF RAN	GES OF NH >4/8	VSBY (NM)	AND/OR
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL DBS
00603	.0	.0	.0	1.5	11.3	87.2	717	E0300	.2	1.0	9.3	20.3	70.4	507
06609	.0	.3	.3	1.3	15.5	82.7	757	90300	.4	2.7	14.2	24.9	60.8	485
12615	.0	.0	.3	1.4	11.0	87.3	700	12815	.8	3.2	11.0	21.5	67.5	526
18621	.1	.4	.0	.9	10.3	88.3	767	18621	.0	1.7	8.3	19.4	72.3	530
TOT PCT	1	5 .2	.1	38	354 12.0	2539	2941 100.0	TOT	7	2.1	218	21.5	1390 67.9	2048

TABLE 13

TABLE 14

	PERC	ENT FR	EQUENC	Y OF R	ELATIV	HUMI	DITY B	Y TEMP				PERC	ENT FR	EQUENC	Y OF W	IND DI	RECTIO	N BY T	EMP	
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL	FREQ	N	NE	Ε	SE	s	SW	W	NW	VAR	CALM
85/89	.0	.0	.0	.0	.1	.0	.0	.0	2	.1	.0	*	*	.0	.0	.0	.0	.0	.0	.0
80/84	.0	.0	*	.3	.9	.8	.4	.3	57	2.8	.2	.5	.4	. 1	*	.4	.5	.4	.0	.2
75/79	.0	*	*	.6	3.6	7.7	7.2	3.5	460	22.8	1.9	2.4	2.4	1.5	1.6	4.4	5.2	2.2	.0	1.1
70/74	.0	.0	.0	1.0	9.4	17.4	20.6	15.5	1288	63.9	8.2	11.4	8.1	4.2	3.2	8.0	10.5	7.3	.0	2.8
65/69	.0	.0	.0		1.1	3.1	3.7	2.4	207	10.3	2.4	1.9	1.5	. 5	. 2	.5	1.2	1.7	.0	.2
60/64	.0	.0	.0	.0	*	.0	.0	. 1	3	.1		*	.0	.0	.0	.0	.0	*	.0	.0
TOTAL	0	1	2	49	308	584	635	438	2017	100.0				•						
PCT	.0	*	.1	2.4	15.3	29.0		21.7			12.8	16.4	12.5	6.3	5.1	13.3	17.5	11.6	.0	4.4

TABLE 15

TABLE 16

	HEWINS !	EVIKEN	ES AND	FERCEN	1,1553	Ur 1 E	IF (DE	G F / B	HUOK
HOUR	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
£0300	81	77	75 75	72	68	66	64	71.8	930
12615	88	82	80	74	70	68	63	74.4	789
18821	89	84	80	74	70	67	66	74.4	935
TOT	89	81	78	73	68	67	63	73.0	3458

AUGUST

PERIOD: (PRIMARY) 1930-1970 (OVER-ALL) 1855-1970

TABLE 17

AREA 0001 AZORES 38.1N 26.7W

PCT FREQ DF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE DF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA	61	65	69	73 76	77	81	85 88	TOT	FOG	FUG
	04	00		10		04	00		100	100
11/13	.0	.0	.0	.0		.2	.2	9	.0	.4
9/10	.0	.0	.0	.1	.3	.5	. 1	20	.0	.9
7/8	.0	.0	.0		.9	.6	.0	32	.0	1.5
	.0	.0	.1	.4	1.0	. 2	.0	38	.0	1.8
6 5 4 3 2	.0	.0	.0	.4	1.6	.1	.0	45	*	2.0
4	.0	.0	.1	1.8	1.9	.1	.0	82	.0	3.8
3	• 0	.0	.3	2.9	.9		.0	88	*	4.1
2	•0	.0	1.1	5.4	1.1	:	.0	163	.1	7.5
1 0 -1	.0	.1	2.3	8.1	.7	.0	.0	241	*	11.2
0	•0	.4	6.7	8.1	.9		.0	347	*	16.1
-1	.0	.2	9.1	5.6	.2	.0	.0	326	*	15.1
-2	• 0	.7	8.0	4.0	.1	.0	.0	277	*	12.9
-3	*	.6	7.2	1.4		.0	.0	199	.0	9.3
-4	*	1.4	4.4	.8	:	.0	.0	144	*	6.7
-5	•0	.7	2.7	.2	.0	.0	.0	78	*	3.6
-6	• 0	.5	.8	.1	.0	.0	.0	30	.0	1.4
-7/-8	*	.3	.7	.1	.0	.0	.0	24	.0	1.1
-9/-10	.0	.1	*	.0	.0	.0	.0	4	.0	.2
TOTAL	3		934		210		6		10	2137
		109		846		39		2147		
PCT	-1	5.1	43.5		9.8	1.8	. 3	100.0	. 5	99.5

PERIOD: (OVER-ALL) 1963-1970

TABLE 18

PCT FREO OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT) HGT <1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60 61-70 71-86 87+7 48+ 48+ 11-21 0 1.2 2.5 .9 .2 .0 .0 .0 .0 .0 .0 .0 HGT
<1
1-2
3-4
5-6
7
8-9
10-11
12
13-16
17-19
26-32
23-25
26-32
33-40
41-48
49-60
61-70
71-86
87+
TOT PCT 22-33 PCT 1.8 5.4 4.9 1.0 .0 .0 .0 .0 .0 .0 .0 .0 48+ 48+

AUGUST TABLE 18 (CONT)

AREA 0001 AZDRES 38.1N 26.7W

				PC	T FREO I	F WIND	SPEED	(KTS)	AND DIRE	CTION V	ERSUS S	EA HEIG	HTS (FT)			
HGT	1-3	4-10	11-21	\$ 22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	.2	.2	.1	.0	.0	.0	.6		.0	.4	.0	.0	.0	.0	.4	
1-2	.3	1.2	.8	.0	.0	.0	2.3		.2	4.4	1.5	.0	.0	.0	6.2	
3-4	.0	.5	.3	.2	.0	.0	1.1		.0	1.4	3.0	.4	.0	.0	4.9	
5-6	.0	.1	.3	.0	.0	.0	.4		.0	.0	1.7	.7	.0	.0	2.3	
7	.0	.0	.2	.0	.0	.0	.2		.0	.0	.4	.2	.0	.0	.7	
8-9	.0	.0	.0	.0	.0	.0	.0		.0	.0	.1		.0	.0	.2	
10-11	.0	.0	.2	.0	.0	.0	.2		.0	.0	.0	.2	.0	.0	.2	
12	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.5	2.1	2.0	.2	.0	.0	4.8		.2	6.3	6.8	1.6	.0	.0	14.9	
				W								NW				PCT
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.6	1.1	.0	.0	.0	.0	1.7		.7	1.2	.0	.0	.0	.0	1.8	
1-2	.1	4.9	1.4	.0	.0	.0	6.4		• 1	2.8	1.1	.0	.0	.0	4.0	
3-4	.1	2.2	4.2	.0	.0	.0	6.5		.0	2.0	2.1	.0	.0	.0	4.0	
5-6	.0	. 2	1.4	.2	.0	.0	1.9		.0	• 2	1.4	.0	.0	.0	1.6	
7	.0	.0	.1	.1	.0	.0	.2		.0	.0		.2	.0	.0	.3	
8-9	.0	.0	.0	.1	.0	.0	.1		.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.1	.1	.0	.0	.2		.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	•0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0		.0	•0	.0	.0	.0	.0	.0	
26-32	.0	•0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0		.0	•0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	•0	.0	.0		.0	•0	.0	.0	.0	.0	.0	
	.0	.0		.0	.0	.0	.0		.0	•0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	
87+ TOT PCT	.0	.0	7.2	.0	.0	.0	0		.0	.0	4.5	.0	.0	.0	0	97.1
IUI PCI	. 8	8.4	1.2	.6	•0	.0	17.1		.0	6.2	4.5	.2	.0	.0	11.8	77.1

	MIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	6.5	8.8	.2	.0	.0	.0	15.5	003
1-2			8.9				39.7	
3-4							30.9	
5-6							9.4	
7								
8-9								
10-11								
12		.0		.0				
13-16		.0		.0				
17-19		.0	.0	.0			.0	
20-22		.0						
23-25		.0	.0	.0			.0	
26-32		.0	.0	.0			.0	
33-40	•0	.0	.0	.0	.0	.0	.0	
41-48	• 0	.0	.0	.0	.0	.0	.0	
49-60		.0	.0	.0		.0	.0	
61-70		.0	.0	.0	.0	.0	.0	
71-86	•0	.0	.0	.0	.0	.0	.0	
87+	•0	.0	.0	.0	.0	.0	.0	
								818
TOT PC	T 8.8	50.7	37.2	3.3	.0	.0	100.0	
	<1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 23-25 26-32 33-25 26-32 41-48 49-60 61-70 71-86 87+	HGT 0-3 1-2 2.0 3-4 4 5-6 0 7 0 8-9 0 10-11 0 112 0 113-16 0 17-19 0 23-25 0 23-25 0 23-40 0 49-60 0 61-70 0 71-86 0 87+ 0	HGT 0-3 4-10 C1 6.5 8.8 1-2 2.0 28.9 3-4 4 12.1 5-6 0 .7 7 0 .2 8-9 0 .0 10-11 0 .0 112 0 .0 113-16 0 .0 17-19 0 .0 23-25 0 .0 23-25 0 .0 23-40 0 .0 41-48 0 .0 41-70 0 .0 87+ 0 .0	HGT 0-3 4-10 11-21 <1 6.5 8.8 .2 1-2 2.0 28.9 8.9 3-4 4 12.1 17.4 5-6 .0 .7 7.7 7 .0 .2 2.3 8-9 .0 .0 .0 13-16 .0 .0 .0 17-19 .0 .0 .0 23-25 .0 .0 .0 23-25 .0 .0 .0 23-40 .0 .0 .0 23-40 .0 .0 .0 41-48 .0 .0 .0 61-70 .0 .0 .0 87+ .0 .0 .0	HGT 0-3 4-10 11-21 22-33 C1 6.5 8.8 .2 .0 1-2 2.0 28.9 8.9 .0 3-4 4 12.1 17.4 1.1 7 .0 .2 2.3 .7 1.0 7 .0 .2 2.3 .7 8-9 .0 .0 .2 .1 10-11 .0 .0 .4 .4 12 .0 .0 .0 .0 13-16 .0 .0 .0 .0 17-19 .0 .0 .0 .0 17-19 .0 .0 .0 .0 23-25 .0 .0 .0 .0 .0 23-25 .0 .0 .0 .0 .0 23-40 .0 .0 .0 .0 23-40 .0 .0 .0 .0 24-48 .0 .0 .0 .0 .0 41-48 .0 .0 .0 .0 .0 61-70 .0 .0 .0 .0 87+ .0 .0 .0 .0 .0	HGT 0-3 4-10 11-21 22-33 34-47 <1 6.5 8.8 .2 .0 .0 .0 1-2 2.0 28.9 8.9 .0 .0 3-4 .4 12.1 17.4 1.1 .0 5-6 .0 .7 7.7 1.0 .0 7 .0 .2 2.3 .7 .0 8-9 .0 .0 .2 1.1 .0 10-11 .0 .0 .4 .4 .4 .0 12 .0 .0 .0 .0 .0 .0 17-19 .0 .0 .0 .0 .0 .0 17-19 .0 .0 .0 .0 .0 .0 17-19 .0 .0 .0 .0 .0 .0 23-25 .0 .0 .0 .0 .0 .0 23-25 .0 .0 .0 .0 .0 .0 23-340 .0 .0 .0 .0 .0 .0 33-40 .0 .0 .0 .0 .0 .0 41-48 .0 .0 .0 .0 .0 .0 41-48 .0 .0 .0 .0 .0 .0 41-60 .0 .0 .0 .0 .0 .0 61-70 .0 .0 .0 .0 .0 .0 87+ .0 .0 .0 .0 .0 .0	C1 6.5 8.8 .2 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	HGT 0-3 4-10 11-21 22-33 34-47 48+ PCT \(\begin{array}{cccccccccccccccccccccccccccccccccccc

PERIOD: (OVER-ALL) 1949-1970

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	4.2	16.4	15.6	5.3	1.3	2	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	716	3
6-7	. 2	1.4	8.7	1.7	3.9	1.2	. 2	•0	• 1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	386	,
8-9	.1	.9	3.1	3.5	3.5	1.0	.4	• 1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	205	5
10-11	.0	.5	.4	1.4	.5	.6	.2	• 1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	63	6
12-13	.0	.0	.5	.4	.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	5
>13	.0	.0	.0	.2	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7	7
INDET	5.9	3.0	3.1	1.9	. 8	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	249	2
TOTAL	171	367	517	334	174	56	24	3	2	1	0	0	0	0	0	0	0	0	0	1649	4
PCT	10.4	22.3	31.4	20.3	10-6	3.4	1.5	- 2	- 1	- 1	. 0	. 0	- 0	- 0	- 0	- 0	. 0	- 0	.0	100-0	

SEPTEMBER

PERIOD: (PRIMARY) 1927-1973 (OVER-ALL) 1855-1973

TABLE 1

AREA 0001 AZORES 38.1N 26.7W

PERCENT ERECUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

				,	ERCEN	T FREQL	ENCY E	F WEATHER	DECURRENCE	BY WI	ND DIR	ECTION			
			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	NO SIG WEA
N NE	1.8	2.5	1:3	.0	.0	.0	:0	1.5	3.0	.2	:2	:0	.8	:2	93.9
E SE	2.0	2.1	1.0	.0	.0	.0	.0	3.9	2.9	.0	.0	.0	1.4	.0	92.3
SW	2.4	2.9	1.9	.0	.0	.0	.0	7.3	3.6	.6	.0	.0	.7	.0	90.0
NW	1.6	1.1	1.4	.0	.0	.0	.0	2.7	3.3	.7	:4	.0	1.1	.0	89.2 90.9
CALM	:0	.0	1.5	.0	.0	.0	.0	1.5	4.5	:0	.0	.0	.0	:0	93.9
TOT PCT	2594	2.2	1.2	.0	.0	.0	.0	4.6	3.5	.4	.2	.0	.7	•	90.6

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			P	RECIPI	TATIO	TYPE					OTHER	WEATHER	PHEND	MENA	
HDUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	FUG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNDW	
00603 06609 12615 18621	1.0 1.5 1.1	1.6	2.1 1.5 1.0	.0	.0	•0	.0	4.6 7.8 3.6 2.2	3.4 3.5 3.3 3.3	1.1 .5 .0	.3	.0	.8 .2 .4	.0 .2 .0	89.9 87.9 92.3 93.1
TOT PCT	1.2	2.1	1.2	.0	.0	•0	.0	4.5	3.4	.4	.2	.0	.7		90.9

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		WI	D SPE	D (KN	DTS)								HOUR	(GMT)			
WNO DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	FREQ	SPD	00	03	06	09	12	15	18	21
N NE	:8	5.9	5.3	1:0	.1	.0		13.2	11.8	12.8	9.1	13.9	14.9		16.3	12.8	
E	1.3	5.0	2.7	.2		.0		9.3	9.4	9.3	10.3	8.9	11.3	8.6	7.7	9.7	9.5
SE	1.0	3.7	2.5	.3		.0		7.5	9.7	6.7	7.4	6.8	5.2	8.7	8.8	8.4	6.6
S	.9	4.6	3.8	.8	.2	.0		10.2	11.9	10.8	12.9	8.6	6.6	10.7	8.0	12.2	9.1
SW	1.1	6.6	6.8	1.3	.2	.0		15.8	12.2	15.8	13.3	16.3	15.3	17.4	15.1	15.8	13.7
W	1.2	7.3	6.1	1.3	.1	.0		15.9	11.7	17.6	20.5	17.2	14.2	15.7	14.5	13.4	15.7
NW	.8	5.5	5.3	1.3	. 2	.0		13.0	12.7	12.9	10.9	12.4	14.0	12.6	12.0	14.3	14.1
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	3.5							3.5	.0	3.7	4.4	4.3	4.5	2.1	3.9	3.3	3.1
TOT DBS	429	1685	1387	252	29	0	3782		11.1	595	206	800	220	678	233	823	
TOT PCT	11.3	44.6	36.7	6.7	. 8	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WND DIR	0-6	7-16	SPEED 17-27	(KNOTS) 28-40	42+	TOTAL	PCT	MEAN SPD	00	HDUR 06 09	12 15	18
N	3.1	7.3	2.4	.4	.0		13.2	11.8	11.8	14.1	13.5	13.1
NE	3.0	6.8	1.6	• 1	.0		11.5	10.6	10.7	12.2	12.2	11.0
E	3.1	5.2	. 8	.1	.0		9.3	9.4	9.6	9.4	8.4	9.6
E SE	2.8	3.7	, 9	.1	.0		7.5	9.7	6.9	6.4	8.7	8.0
S	2.8	5.1	1.9	.5			10.2	11.9	11.3	8.2	10.0	11.5
SW	3.7	8.4	3.4	.4	.0		15.8	12.2	15.1	16.1	16.8	15.3
W	3.8	8.4	3.4	.3	.0		15.9	11.7	18.4	16.5	15.4	13.9
NW	2.6	7.1	2.7	.6			13.0	12.7	12.4	12.7	12.5	14.3
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	3.5						3.5	.0	3.9	4.3	2.5	3.2
TOT OBS	1076	1966	647	91	2	3782		11.1	801	1020	911	1050
TOT PCT	28.5	52.0	17.1	2.4	.1		100.0		100.0			100.0

SEPTEMBER

PERIOD: (PRIMARY) 1927-1973 (OVER-ALL) 1855-1973

TABLE 4

AREA 0001 AZORES 38.1N 26.7W

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

				WIND	SPEED (KNOTS)			PCT	TOTAL
HOUR	CALM	1-3	4-10	11-21	22-33	34-47	48+	MEAN	FREQ	085
00603	3.9	7.4	47.4	35.8	5.0	.5	.0	10.6	100.0	801
90300	4.3	7.6	48.0	32.9	6.3	. 8	.0	10.6	100.0	1020
12615	2.5	7.9	42.3	39.6	6.9	.8	.0	11.4	100.0	911
18621	3.2	8.4	41.0	38.4	8.1	1.0	.0	11.5	100.0	1050
TOT	132	297	1685	1387	252	29	0	11.1		3782
PCT	3.5	7.9	44.6	36.7	6.7	. 8	.0		100.0	

TABLE 5

TABLE 6

	CT FRE	0 05 1	OTAL (ri olin A	MOUNT	(EIGHTHS)			acaces.	****	ncours	ev 05	CEILIN		ure 15			
	CI THE			DIREC									NH <5/					
WND DIR	0-2	3-4	5-7	8 & 085CD	TOTAL	COVER	000 149	150	300 599	600	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	
N	3.2	3.0	4.7	1.8		4.5	.2		.1	1.0	2.0	1.3	.1	.1	.0	.0	7.8	
NE	2.8	2.3	3.4	1.0		4.2				.5	1.4	.7	. 2	.0			6.4	
E	3.0	2.3	2.4	1.0		3.9	.0	.0	.1	.5	1.3	.6	*			.0	6.0	
SE	2.9	1.7	2.2	.9		3.8	.0			.6	. 8	.4	.1	.1	.0	.1	5.5	
S	3.8	2.6	3.5	1.4		3.9	.0	.0	.2	.4	1.4	.6	.3	.1		.0	8.5	
SW	5.0	5.4	5.3	2.2		4.1			. 2	1.3	2.4	. 8	.5		.1	.0	12.6	
*	5.0	4.2	5.6	2.1		4.1	.1		.2	1.4	1.5	1.1	.3		.0	*	12.1	
NW	2.9	3.5	5.3	1.4		4.4			.2	.9	2.1	1.1	.2			.0	8.5	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	1.0	.4	.4	.4		3.7	.0	.0	.0	.3	.2	.1	.0	.0		.0	1.6	
TOT OBS	528	542	695	261	2126	4.1	8	6	23	144	278	140	38	9	7	4	1469	2126
TOT PCT	29.5	25.5	32.7	12.3	100.0		.4	.3	1.1	6.8	13.1	6.6	1.8	.4	.3	.2	69.1	100.0

TABLE 7

CUMULATIVE PCT F	REQ	OF	SIMULTANEOUS	DCCURRENCE
OF CETLING HET	CHT	INH	34/8) AND V	CHN) VAS

				VSBY (NE	1)			
CEIL	ING # DR	■ DR	- DR	- DR	= DR	· DR	■ DR	= OR
(FEE	T) >10	>5	>2	>1	>1/2	>1/4	>50YD	>0
= DR >6		.6	.6	.6	.6	.6	.6	.6
= DR >5	000 .8	.9	1.0	1.0	1.0	1.0	1.0	1.0
= DR >3	500 2.3	2.6	2.7	2.7	2.7	2.7	2.7	2.7
* OR >2	000 8.1	9.2	9.3	9.3	9.3	9.3	9.3	9.3
= OR >1	000 18.7	21.9	22.1	22.1	22.2	22.2	22.2	22.2
= DR >6	00 24.0	28.3	28.7	28.8	28.8	28.8	28.8	28.8
. OR >3	00 24.6	29.2	29.8	29.9	29.9	29.9	29.9	29.9
= OR >1	50 24.8	29.4	30.0	30.2	30.2	30.2	30.2	30.2
= DR >	0 24.9	29.7	30.3	30.5	30.6	30.6	30.6	30.6
TO	TAL 543	647	661	665	666	666	666	666

TOTAL NUMBER OF DBS: 2178

PCT FREQ NH <5/8: 69.4

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 DBSCD TOTAL OBS 9.5 15.6 16.0 16.9 11.1 7.5 8.0 7.2 8.1 .2 2296 -

.0 2.5 100.0

								SEP	TEMBER							
PERIOD:	(PRIMARY) 1 (OVER-ALL) 1							TA	BLE 8				ARE	A 0001	AZORE 8.1N	26.7W
			P	RCENT	PREC	PITAT	D DIRE	CTION TH VAR	VS BCC	URRENC	E OR N	ON-OCC	URRENC	E OF		
	VSBY (NM)		N	NE	F	SE	5	SW	W	NW	VAR	CALM	PCT	TOTAL		
		PCP	.0	.0	:0	.0	.0	.0	.0	.0	.0	.0	.0			
	<1/2	NO PCP	*	.0	.0	.0	.0		.0	.0	.0	.0				
		TOT %		.0	.0	.0	.0	.0	.0	.0	.0	.0	*			
		PCP	.0	.1		.0		.0		.0	.0	.0	.2			
	1/2<1	NO PCP	.0	.1	.0	:	.0	.0			.0	.0	.1			
		TOT %	.0	•1				.0	.1		.0	.0	.3			
		PCP	.0		.0	.0	.0		.1	.0	.0	.0	.2			
	1<2	NO PCP	.0		.0		.0	*	.1	*	.0	.0	.2			
		TOT %	.0	.1	.0				.2		.0	.0	.4			
		PCP	.0	.1	:1	.1	.0	.2	:1	*	.0	.0	.5			
	2<5	NO PCP		.1		*	. 2	.1	.2	.1	.0	.0	.8			
		TOT %	.1	•1	.1	•1	. 2	.3	.3	•1	.0	•0	1.3			
		PCP	.1	.2	.2	.2	.2	.7	.4	.2	.0	.0	2.2			
	5<10	NO PCP	1.9	1.0	.7	. 9	1.2	2.0	2.5	2.4	.0	.4	12.9			
		TOT %	2.0	1.2	. 8	1.0	1.4	2.7	2.9	2.6	.0	.4	15.1			
		PCP	.1	+1	.1	. 2	.3	.4	.3	.1	.0	*	1.5			
	10+	NO PCP	10.5	7.9	7.3	6.2	9.0	13.7	13.7	10.8	.0	2.1	81.3			
		TOT %	10.6	8.1	7.4	6.5	9.3	14.1	14.0	10.9	.0	2.2	82.9			

TOT DBS TOT PCT 12.7 9.6 8.4 7.6 10.9 17.1 17.4 13.7

TABLE 9 PERCENT FRED OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY PCT .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0.0.0 .0 .0 .0 * .0 * .1 .2 * .3 .0 .1 .2 .2 .4 .2 .3 .5 .4 1.5 <1/2 .0 .0 1/2<1 0-3 1/-21 11-21 22+ TOT \$ 000000 000000 000000 000000 .0 0-3 4-10 11-21 22+ TOT % .0 .0 .0 * * .0 .0 * * .1 * .1 .0 .0 .0 * .0 .0 .0 .0 .0 .1 .1 .0 * .1 * .2 * .1 .1 * .3 .0 .0 * * .1 .0 * .0 2<5 4-10 11-21 22+ TOT % .0 .1 .3 1.2 5.8 6.3 2.2 .3 15.5 .7 .9 .3 2.0 .5 .3 .1 5<10 0-3 4-10 11-21 22+ TOT % .8 .6 .2 .1 .3 .5 .1 .2 1.1 1.2 .3 2.8 1.1 1.1 .9 .5 2.6 .8 5.1 4.4 .7 10.9 2.8 9.4 37.4 31.0 4.5 2.8 82.3 4.5 3.5 4.4 9.1 .8 3.4 1.7 .2 6.1 .9 4.1 3.1 .6 8.6 10+ 0-3 10+ 4-10 11-21 22+ TOT % TOT DBS TOT PCT 13.1 10.9 8.8 7.4 10.3 16.3 16.6 13.4 .0 3.2 100.0

SEPTEMBER

PERIOD: (PRIMARY) 1927-1973 (OVER-ALL) 1855-1973

TABLE 10

AREA 0001 AZORES 38.1N 26.7W

PERCENT FREQUENCY OF CEILING HFIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1999	2000 3499	3500 4999	5000 6499	6500 7999	*000	TOTAL	NH <5/8 ANY HGT	TOTAL
00603	.2	.4	1.0	6.8	10.9	5.1	1.0	.2	.4	• 2	26.1	73.9	514
90360	.6	.6	1.5	8.0	13.4	8.3	1.7	.2	.0	.2	34.5	65.5	528
12615	.2	.2	1.1	5.6	13.8	6.4	2.1	.5	.3	.3	30.5	69.5	623
18621	.5	.0	.7	5.6	11.9	5.6	1.9	.7	.5	.2	27.6	72.4	587
TOT	8	6	24	145	283	143	38	9	7	5	668	1584	2252

TABLE 11

TABLE 12

		PERCENT	FREQUENCY	VSBY	(NM)	BY HOUR		
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL	
00603	.0	.1	.3	.8	15.3	83.4	711	
06609	.1	.4	.6	1.6	18.3	79.0	816	
12615	.1	.4	.1	1.3	11.9	86.1	822	
18621	.0	.3	.7	2.0	15.8	81.2	860	
TOT	.1	10	14	47	492	2644 82.4	3209	

CUMULAT	CEILIN	FREQ G HGT	OF RAN	GES OF NH >4/8	VSBY (NM)	AND/OR
HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL
00803	.2	1.6	9.2	18.6	72.2	489
06609	.6	2.7	11.5	24.0	64.5	512
12815	.2	1.7	8.3	23.6	68.1	605
18821	.5	1.4	7.7	21.0	71.3	572
TOT PCT	8	40	198	477	1503	2178

TABLE 13

	PERCE	ENT FR	EQUENC	Y OF R	ELATIV	HUMI	DITY B	Y TEMP		
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	DBS	FREQ
85/89	.0	.0		.0		.0	.0	.0	. 2	.1
80/84	.0		.2	.3	.6	.6	.5	.1	52	2.3
75/79	.0	.0		.7	2.3	6.1	6.4	1.7	386	17.2
70/74	.0	.0	.1	.8	7.7	15.5	21.3	14.5	1346	59.9
65/69	.0	.0	.0	1.2	4.0	5.4	5.1	3.3	429	19.1
60/64	.0	.0	.0	.0	.3	.1	.3	.5	27	1.2
55/59	.0	.0	.0	.0	.0			.1	4	. 2
TOTAL	0	1	8	68	338	624	754	453	2246	100.0
PCT	.0		.4	3.0	15.0	27.8	33.6	20.2		

TABLE 14

	PERCI	ENT FR	EQUENC	YOF	WIND DI	RECTIO	N BY T	EMP	
N	NE	E	SE	s	SW	w	NW	VAR	CALM
.0	*	.0	.0	.0	.0		.0	.0	.0
.0	.3	.2	.1	.2	.4	.6	.3	.0	
1.0	.9	1.3	1.4	3.1	4.9	3.0	1.2	.0	.5
6.0	5.7	5.2	5.2	6.9	11.4	10.8	7.0	.0	1.6
4.7	2.5	1.7	.5	.6	.9	2.7	5.0	.0	.4
.2	.1	*	.1	*	*	.2	.5	.0	.0
.0	.0		*	.0	.0	*	.1	.0	.0
12.1	9.6	8.4	7.3	10.9	17.6	17.4	14.0	.0	2.6

TABLE 15

	PERC	ENT FRE	QUENCY	OF RELA	TIVE H	UMIDITY	BY HOUR	
HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
00603	.0	1.3	11.2	22.4	38.1	27.1	82	536
06609	.0	1.3	10.7	24.2	35.8	28.1	82	559
12615	.0	4.7	19.1	31.4	30.1	14.6	78	611
18621	.0	6.0	18.9	33.2	30.3	11.6	77	597
TOT	0	79	350	645	769	460	80	2303

SEPTEMBER

PERIOD:	(PRIMARY)	1927-1973
	(DVED-ALL)	1855-1973

TABLE 17

AREA 0001 AZDRES 38.1N 26.7W

AIR-SEA	57	61	65	69	73	77	81	85	TOT	W	WO	
THP DIF	60	64	68	72	76	80	84	88	101	FOG	FOG	
14/16	.0	.0	.0	.0	.0	.0	.0		1	.0		
11/13	.0	.0	.0	.0		.0	.2		8	.0	.3	
9/10	.0	.0	.0	.0	.0	.2	.3	.0	12	.0	.5	
7/8	.0	.0	.0	.0	. 2	. 8	.3	.0	33	.0	1.4	
6	.0	.0	.0	.0	.2	.5	.1	.0	22	.0	.9	
5	.0	.0	.0	.1	. 8	1.0	.1	.0	50	.0	2.1	
4	.0	.0	.0	.1	1.7	1.2	.1	.0	75	.0	3.1	
3	.0			.5	3.1	. 8		.0	111	.0	4.6	
2	.0	.0	.2	1.6	5.2	1.0	.0	.0	190	.0	7.9	
1	.0	.0	.1	3.1	7.9	.5	.0	.0	278	*	11.5	
0	.0	.0	.5	7.9	7.4	.3	.0	.0	386	.0	16.0	
-1	.0	.0	1.0	8.8	4.3	.1	.0	.0	341	•1	14.1	
-2		.0	2.2	8.2	2.5		.0	.0	313	*	13.0	
-3	.2		2.5	5.2	.7	.0	.0	.0	209	.0	8.7	
-4	.0	.0	2.6	3.8	.4	.0	.0	.0	164	.0	6.8	
-5	.0	.2	2.0	1.8	.3	.0	.0	.0	103	.0	4.3	
-6	*	.2	1.1	.7	.1	.0	.0	.0	53	.0	2.2	
-7/-8	.0	.3	.7	.5	*	.0	.0	.0	39	*	1.6	
-9/-10	.0	.2	.3	.1	.0	.0	.0	.0	14	.0	.6	
-11/-13	.0	.1	.1	.0	.0	.0	.0	.0	4	.0	.2	
TOTAL	6		316		844		31			5	2401	
		26		1053		158		2	2406			
PCT	.2	1.1	13.1	42.5	35.1	6.6	1.3	.1	100.0	.2	99.8	

PERIOD: (OVER-ALL) 1963-1973

TABLE 18

				PC	T FREQ O	-	SPEED	(KTS)	AND	DIREC	TION V	ERSUS S	EA HEIG	HTS (FT)		
HGT	1-3	4-10	11-21	N 22-33	34-47	48+	PCT			1-3	4-10	11-21	NE 22-33	34-47	48+	PCT
<1	.2	.2	.1	.0	.0	.0	.5			.7	.4	.0	.0	.0	.0	1.1
1-2	.1	2.8	.7	.0	.0	.0	3.6			.3	2.9	1.1	.0	.0	.0	4.4
3-4	.0	1.2	2.1	.0	.0	.0	3.3			.1	1.8	1.4	.0	.0	.0	3.3
5-6	.0	.8	1.4	.6	.0	.0	2.8			.0	.5	.7	.2	.0	.0	1.4
7	.0	.1	.6	.3	.0	.0	1.0			.0	.0		*	.0	.0	.1
8-9	.0	.0	.0	.1	.0	.0	.1			.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.1	.1	.0	.0	.2			.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0		.0	
17-19	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0			.0	• 0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	5.1	5.0	1.1	.0	.0	11.5			1.1	5.6	3.2	.3	•	•0	10.2
				E									SE			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT			1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.8	.6	.1	.0	.0	.0	1.5			.5	1.2	.0	.0	.0	.0	1.7
1-2	.3	2.8	.4	.0	.0	.0	3.4			.2	2.1	.3	.0	.0	.0	2.6
3-4	.0	1.8	1.3	.0	.0	.0	3.1			.0	.9	1.4	.0	.0	.0	2.3
5-6	.0	.0	1.0	.2	.0	.0	1.2			.0	.0	.4	.0	.0	.0	.4
7	.0	.0	.0	.0	.0	.0	.0			.0	.0	.1	.1	.0	.0	.2
8-9	.0	.0	.0	.0	.0	.0	.0			.0	.0	.1	.0	.0	.0	.1
10-11	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.1	.0	.0	.1
12	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	• 1	.0	.1			.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.0	5.2	2 . A	. 2	-1	- 0	0 2			. 6	4.2	2.3	. 2	- 0	- 0	7.4

PERIOD:	OVE	9-11()	1963-1	973					SEPTE	MBER				4054			
rentuo.	(UVE)	N-ALL!	1,03-1	*12				TABLE	18 (CONT)				AKEA	38.		.7W
				PC	T FREQ OF	WIND	SPEED	(KTS)	AND I	DIREC	TION	VERSUS	SEA HEIG	HTS (FT			
HGT	1-3	4-10	11-21	\$ 22-33	34-47	48+	PCT			1-3	4-10	11-21	22-33	34-47		PCT	
<1	.2	1.0	.0	.0	.0	.0	1.2			.2	1.1	.0		.0	48+	1.3	
1-2	.2	1.7	.7	.0	.0	.0	2.6			.5	3.0			.0	.0	5.4	
3-4	.0	2.0	1.2	.2	.0	.0	3.4			.0	1.5			.0	.0	6.2	
5-6	.0	.7	. 8	.2	.0	.0	1.7			.0	.2			.0	.0	3.3	
7	.0	.0	.3	.2	.0	.0	.4			.0	.2		.3	.0	.0	1.1	
8-9	.0	.0	.3	.2	.0	.0	. 5			.0	.0			.1	.0	.6	
10-11	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.2	
12	.0	.0	.0	.0	.0	.0	.0			.0	.0	.1		.0	.0	.2	
13-16	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0		
17-19	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
61-70	.0	.0	.0	.0	•0	.0	.0			.0	.0			.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0			.0	•0			.0	.0	.0	
TOT PCT	.0	5.4	3.3	.0	•0	.0	9.8			.7	5.9			.0	.0	18.5	
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT			1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL
<1	.3	1.1	.0	.0	.0	.0	1.4			.3	.8	.1	.0	.0	.0	1.3	,,,
1-2	.4	4.2	1.5	.0	.0	.0	6.1			.3	2.0			.0	.0	3.0	
3-4	.1	2.1	2.1	.1	.0	.0	4.4			.0	1.0			.0	.0	3.7	
5-6	.0	.5	2.9	.3	.0	.0	3.7			.0	.8			.0	.0	2.7	
7	.0	.2	1.1	.1	.0	.0	1.3			.0				.0	.0	1.3	
8-9	.0	.0	.1	. 2	•0	.0	. 3			.0	.0			.0	.0	.8	
10-11	.0	.0	.1	.2	.1	.0	. 3			.0	.0		.3	.0	.0	.5	
12	.0	.0	.1	.1	•0	.0	.2			.0	.0			.0	.0	.1	
13-16	.0	.0	.1	.1	.0	.0	.5			.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	•0	.0	.0			+0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0			. 6	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
49-60	.0	.0	.0	.0	•0	.0	.0			.0	.0			.0	.0	.0	
61-70	.0	.0	.0	.0	•0	.0	.0			.0	.0			.0	.0	.0	
71-86	.0	.0	.0	.0	•0	.0	.0			.0	.0			.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	0			.0	.0			•0	.0	.0	
TOT PCT	. 8	8.1	8.0	.9	•1	.0	17.9			.7	4.7	6.7	1.2	•0	.0	13.3	97.9

	MIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	6.1	6.5	.3	.0	.0	.0	13.0	
1-2	2.4	21.3	7.1		.0	.0	30.8	
3-4	.2	12.2	16.4	.6	.0	.0	29.5	
5-6	•0	3.4	11.2	2.3		.0	16.9	
7	.0	. 4	3.9	1.1	.0	.0	5.4	
8-9	.0	.0	1.3	1.0	.1	.0	2.3	
10-11	.0	.0	.3	. 8	.1	.0	1.3	
12	•0	.0	. 2	.3	.0	.0	.5	
13-16	•0	.0	.1	.1	.1	.0	.3	
17-19	•0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	•0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								947
TOT PCT	8.8	43.9	40.8	6.2	.3	.0	100.0	

OCTOBER

PERIOD: (PRIMARY) 1926-1972 (OVER-ALL) 1855-1972

TABLE 1

AREA 0001 AZORES 38.0N 26.7W

DEDCENT	EDECHIENCY	DE	HEATHER	DECURRENCE	OV	WITHIN	DIRECTION

					ruce.	· · · · · · ·		n wearing	account mer						
			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	
N NE	1.5	2.0	1.6	.0	.0	•0	.0	5.1	4.0	:0	1.0	.0	.0	.0	89.9
E SE	2.9	2.3	2.2	.0	.0	•0	.0	7.1	6.6	.3	1.1	.0	2.4		85.0
SW	3.1	3.3	1.0	.0	.0	•0	.0	7.4	3.0 5.7	1.1	1.3	.0	.7	.0	89.0
NW	1.7	3.3	1.3	.0	.0	•0	.0	6.3	5.9	.7	.6	.0	.2	.0	90.4
CALM	5.6	•0	.0	.0	.0	•0	.0	5.6	.0	.0	2.8	.0	.0	.0	91.7
TOT PCT	2.1	2.2	1.5	.0	.0	.0	.0	5,6	4.9	.4	.9	.0	.5	.1	87.6

TABLE 2
PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

					, ,	CKC CITT	LINEGOL	He I WE	ATTEN DECOM						
			P	RECIPI	TATION	N TYPE					OTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR	FOG WID PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	NO SIG WEA
00603 06609 12615 18621	2.1 1.8 1.7 2.7	1.9 2.0 2.7 1.9	1.5 1.2 1.6 1.9	.0	.0	•0	.0	5.5 4.9 5.8 6.3	6.3 5.7 3.7 3.9	.6 .8 .0	1.4 .9 .7	.0 .0 .0	.3 .5 .4	.0 .0 .3	86.8 86.7 88.9 88.2
TOT PCT	2.1	2.1	1.5	.0	.0	•0	.0	5.7	4.8	.4	.9	.0	.5	,1	87.7

TABLE 3

				PERC	ENTAGE	FKEROE	NC I DE	WIND C	INECTIL	N D1 3P	EEU AN	0 01 11	UUN				
		WI	ND SPE	ED (KNI	OTS)								HOUR	(GMT)			
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	FREQ	MEAN SPO	00	03	06	09	12	15	18	21
N NE	.6	4.8	7.0	2.1	.2	:		14.8	14.2	13.5	15.9		19.0	13.1	14.9	15.0	15.8
E	.6	3.7	4.1	.8	.1	.0		9.3	12.7	7.7	10.5	8.1	8.1	11.2		10.3	
SE	.3	4.2	5.2	1.0	.1	.0		11.5	13.9	11.9	10.8	7.5	7.5	7.2	10.0	8.7	
SW	.7	5.1	6.0		.2	.0		14.4	14.2	15.1		15.1				13.9	11.7
NW W	.6	4.5	6.4	2.5	.3	.0		14.4	14.9	16.2					11.8	13.8	
VAR	.0	.0	.0		.2	.0		15.0	14.8	17.5	15.9	14.1	13.3	15.0	14.1	15.0	14.0
CALM	2.0				• •			2.0	.0	2.1	2.8	2.6	1.8	1.5	1.8	1.4	2.6
TOT OBS	6.2	33.9	1831	585 14.1	1.5	.1	4140	100.0	13.8	100.0	251 100.0	835 100.0	281	100.0	100.0	100.0	100.0

T	٨	0	-	2	A

WND DIR	0-6	WIND 7-16	SPEED 17-27	(KNUTS) 28-40	41+	TOTAL	PCT	MEAN SPD	00	HDUF 06 09	12 15	18 21
N	2.5	7.2	4.3	.8	.1		14.8	14.2	14.2	15.9	13.6	15.2
NE	1.6	5.9	2.4	.3	*		10.4	13.1	9.6	11.7	10.0	10.0
E	1.9	5.0	2.1	.3	.0		9.3	12.7	8.4	8.1	10.8	10.0
SE	1.3	4.1	2.2	.4	*		8.0	13.9	7.4	7.5	8.0	9.0
S	2.2	5.9	2.8	.6	.1		11.5	13.5	11.6	10.6	12.2	11.9
SW	2.3	7.1	4.1	1.0	*		14.4	14.2	14.5	15.1	14.8	13.4
W	2.2	6.5	4.8	.9	.1		14.4	14.9	15.0	14.7	14.2	13.9
NW	2.3	7.0	4.8	1.0			15.0	14.8	17.1	13.9	14.7	14.8
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	2.0						2.0	.0	2.3	2.4	1.6	1.7
TOT DBS	752	2016	1139	219	14	4140		13.8	904	1116	953	1167
TOT PCT	18.2	48.7	27.5	5.3	. 3		100.0		100.0	100.0	100.0	100.0

DCTOBER

PERIOD: (PRIMARY) 1926-1972 (OVER-ALL) 1855-1972

TABLE 4

AREA 0001 AZDRES 38.0N 26.7W

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

				WIND	SPEED (KNOTS)			PCT	TOTAL
HOUR	CALM	1-3	4-10	11-21	22-33	34-47	48+	MEAN	FREQ	OBS
00603	2.3	5.1	34.4	43.5	12.9	1.7	.1	13.3	100.0	904
90300	2.4	4.7	34.5	43.6	14.0	. 8	.0	13.4	100.0	1116
12615	1.6	3.7	30.0	48.4	14.4	1.9	.1	14.3	100.0	953
18621	1.7	3.3	36.2	42.0	15.0	1.7	.1	13.9	100.0	1167
TOT	83	172	1404	1831	585	62	3	13.8		4140
PCT	2.0	4.2	33.9	44.2	14.1	1.5	.1		100.0	

TABLE 5

TABLE 6

P	CT FRE			DIREC		EIGHTHS)		9					CEILIN NH <5/					
WND DIR	0-2	3-4	5-7	8 & 085CD	TOTAL	MEAN CLOUD COVER	000 149	150 299	300 599	600 999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8	TOTAL
N	2.3	3,3	4.9	2.7		5.1		.0	.2	1.4	1.9	1.3	.5	.1	.0	.0	7.7	
NE	1.8	2.3	3.8	2.0		5.0	.0		.1	. 8	2.3	.9	.3		.0	.0	5.5	
E	1.3	1.9	4.5	2.4		5.4			.6	1.0	1.6	1.1	.5	.0	.0	.0	5.1	
SE	1.5	1.3	2.7	2.0		5.1		.0	.3	1.0	1.1	. 8	.2				3.9	
S	2.5	2.6	4.6	2.4		4.8		.0	.3	.9	1.5	1.3	.2	.1		.1	7.6	
SW	2.8	2.9	5.1	3.5		5.1	.1		.5	1.8	2.1	1.1	.3	.1		.1	8.1	
	3.7	3.3	5.7	3.2		4.8	.1	.1	. 2	1.3	3.0	1.2	.4	.1	.1	.1	9.3	
NW	2.7	4.4	6.1	2.6		4.8			.4	1.0	2.9	1.9	.4			.0	9.1	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.6	.3	.2	.2		3.5	.1	.0			.1			.0	.0	.0	1.1	
TOT OBS	417	483	817	455	2172	5.0	11	4	59	202	355	209	61	15	4	9	1243	2172
TOT PCT	19.2	22.2	37.6	20.9	100.0		.5	.2	2.7	9.3	16.3	9.6	2.8	.7	.2	.4	57.2	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

				VSBY (NM)			
CEILING	. DR	- DR	. DR	= OR	• DR	- DR	- OR	= DR
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
- DR >6500	.4	.6	.6	.6	.6	.6	.6	.6
■ DR >5000	.9	1.3	1.3	1.3	1.3	1.3	1.3	1.3
■ DR >3500	3.2	4.1	4.1	4.1	4.1	4.1	4.1	4.1
■ DR >2000	10.8	13.4	13.6	13.7	13.7	13.7	13.7	13.7
■ DR >1000	23.4	29.4	29.7	29.9	29.9	29.9	29.9	29.9
■ DR >600	29.7	37.8	39.1	39.2	39.2	39.2	39.2	39.2
■ DR >300	31.0	40.0	41.6	41.9	41.9	41.9	41.9	41.9
# DR >150	31.0	40.2	41.8	42.0	42.0	42.1	42.1	42.1
. DR > 0	31.1	40.4	42.2	42.4	42.4	42.5	42.5	42.5
TOTAL	681	887	925	930	930	932	932	933

TOTAL NUMBER OF OBS: 2193

. .

PCT FREQ NH <5/8: 57.5

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 0BSC0 OBS 6.5 9.6 14.6 14.4 12.1 7.6 11.1 9.4 14.5 .3 2343

OCTOBER

PERIOD: (PRIMARY) 1926-1972 (OVER-ALL) 1855-1972

TABLE 8

AREA 0001 AZORES 38.0N 26.7W

		P	ERCENT	PREC	IP ITAT	D DIRE	CTION TH VAR	VS DCC	LUES	F DR N	IBILI	CURRENC	E OF
VSBY (NM)		N	NE	E	SE	s	SW	*	NW	VAR	CALM	PCT	TOTAL
	PCP	.0	.0	.0	.0	.0		.0	.0	.0	.0		
<1/2	NO PCP	.0	.0		.0	.0	.0	.0	.0	.0		.1	
	TOT &	.0	.0		.0	.0		.0	.0	.0	*	.1	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	NO PCP	.0	.0	.0	.0	.2	.1			.0	.0	.3	
	TOT %	.0	.0	.0	.0	.2	:1			.0	.0	.3	
	PCP	.0	6.	.0			.1		.0	.0	.0	.2	
1<2	NO PCP	.0	.0	.0	.0	.0	*	*	.0	.0	.0	.1	
	TOT %	.0	.0	.0			.1	.1	.0	.0	.0	.3	
	PCP	.1	.1	.2	.1	.1	.2	.2	.1	.0	.0	1.0	
2<5	NO PCP	.2	.2	.2	.1	.2	.3	.1	.1	.0	.0	1.4	
	TOT %	.3	.3	.4	.2	.2	.5	.3	.2	•0	.0	2.4	
	PCP	.2	.1	.4	.2	.3	.6	.6	.4	.0		2.9	
5<10	NO PCP	2.2	1.1	1.7	1.3	1.2	2.5	2.4	2.1	.0	.1	14.5	
	TOT %	2.4	1.2	2.1	1.6	1.5	3.1	3.0	2.5	.0	.1	17.5	
	PCP	.3	.1	7:1	.1	.2	10:9	.2	.2	.0	.0	1.4	
10+	NO PCP	10.5	8.0	7.1	5.4	9.3		12.4	13.3	.0	1.2		
	TOT %	10.8	8.1	7.2	5.5	9.5	11.1	12.6	13.5	•0	1.2	79.4	
	TOT OBS												2612
	TOT PCT	13.6	9.6	9.7	7.3	11.4	14.9	16.0	16.2	.0	1.3	100.0	

TABLE 9

PERCENT FRED OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

(NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL
	0-3	.0	.0	*	.0	.0	.0	.0	.0	.0		.1	003
<1/2	4-10	.0	.0	.0	.0	*	*	.0	.0	.0			
	11-21	.0	.0	.0	.0	.0		.0	.0	.0		*	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0		.0	*		.0	.0	.0	*	.1	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	4-10	.0	.0	.0	.0	*	*		*	.0		.1	
	11-21	.0	.0	.0	.0	.1		.0	.0	.0		•1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	-	.0	
	TOT %	.0	.0	•0	.0	•1	.1	*		•0	.0	•2	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	4-10	.0	.0	.0	.0	*	.0	.0	.0	.0		*	
	11-21	.0	.0	.0	.1	.0	.1	*	.0	.0		• 2	
	22+ TOT \$.0	.0	:	.1			.1	.0	.0		.2	
	IUT %	.0	.0		.1	•1	.1	•1	.0	.0	.0	.4	
	0-3			.0	.0	.0	.0	.0	.0	.0	.0	-1	
2<5	4-10	-1	.2	.1	.1	*	.1	.1	.1	•0		7	
	11-21	• 2	.2	.1	*	• 2	.2	.3	.1	.0		1.2	
	22+	• 2	*	• 2	.1	.2	.3	.4	.1	.0		1.0	
	TOT %	.5	.4	.4	.3	.4	.5	.4	.2	•0	.0	3.0	
5<10	0-3	.1	.0		*	.1	.1	.1	.1	.0	. 2	5.2	
3410	4-10	.8	.5	6	.5	.4	7	.8	.8	.0			
	11-21	1.4	.8	1.0	.9	.8	1.2	.9	1.1	.0		8.0	
	TOT %	.6	4	.3	. 3	4	2.9	1.0	.6	.0	.2	18.4	
	101 %	2.8	1.7	2.0	1.7	1.7	2.9	2.9	2.5	.0		18.4	
	0-3	.4	.3	.4	.2	.4	.5	.5	.5	.0	1.5	4.8	
10+	4-10	4.0	3.4	3.0	2.0	3.3	3.7	3.6	4.0	.0		26.9	
	11-21	5.6	4.0	3.3	2.9	4.5	4.6	5.7	6.0	.0		36.6	
	22+	1.2	.8	5	.4	.8	1.7	2.0	2.1	.0		9.5	
	TOT %	11.2	8.4	7.2	5.5	9.1	10.5	11.7	12.7	.0	1.5	77.8	
	OT 085												3291
7	OT PCT	14.5	10.5	9.6	7.6	11.3	14.2	15.1	15.4	.0	1.8	100.0	10000//100

PERIOD:	(PRIMARY)	1926-1972
	(DVER-ALL)	1855-1972

TABLE 10

AREA 0001 AZORES 38.0N 26.7W

PERCENT FREQUENCY OF CEILING HFIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000	150 299	300 599	999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL
E0200	.7	.4	2.1	7.8	15.1	9.0	1.9	.4	.0	.2	37.5	62.5	536
90360	1.0	.2	3.3	10.1	15.9	9.5	2.5	.8	.0	1.0	44.2	55.8	516
12615	.3	.0	1.9	8.8	17.7	9.4	4.0	.8	.3	.2	43.4	56.6	627
18621	.0	.2	3.2	9.3	14.5	9.3	2.3	.8	.3	.3	40.2	59.8	602
TOT	11	4	2.6	205	361	212	62	16	4	9	943	1338	2281

TABLE 11

TABLE 12

		PERCENT	FREQUENC	Y VSaY	(NM)	BY HOUR		CUMULAT					VSBY (NM)	
HQUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL
60300	.1	.1	.5	3.1	19.1	77.0	773	00803	.8	3,4	12.5	27.5	60.0	505
06609	+0		.4	3.1	18.6	77.6	840	90340	.8	4.5	15.6	29.8	54.7	494
12615	.2		.2	2.2	15.9	81.0	828	12615	.3	2.3	11.9	32.6	55.5	611
18821	.1	.1	.4	3.5	19.9	75.9	893	18621	.0	3.4	13.7	27.4	58.8	583
107	*	8	13	99	614	2596	3334	TOT	10	73	293	645	1255	2193

TABLE 13

TABLE 14

	PERC	ENT FR	EQUENC	Y OF R	ELATIVE	HUMI	DITY B	Y TEMP				PERC	ENT FR	EQUENC	Y OF W	IND DI	RECTIO	N BY T	EMP	
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	DBS	FREQ	N	NE	E	SE	S	SW	W	NW	VAR	CALM
80/84	.0	.0			.1	.1	•0	.0	6	2.3	.1	.1			.1	.0	.0		.0	.0
75/79	.0	.0	.0	+1	.2	.7	.9	.4	51			2	.2	.2	.4			.3	.0	
70/74	.0		+1	,6	3.2	7.7	12.9	9.4	750	34.0	2.4	1.9	3.4	2.8	5.9	7.5	6.5	3.2	.0	.4
65/69	.0	.0	.1	2.3	7.8	12.7	16.5	11.0	1112	50.4	8.0	5.8	5.1	3.7	4.4	5.7	7.3	9.6	.0	. 8
60/64	.0	.0	.1	.6	4.2	3.6	2.4	1.9	284	12.9	3.6	1.7	1.3	.4	.2	.6	1.3	3.6	.0	.1
55/59	.0	.0	.0	.0	.0	.1	.0		3	.1		.0	.0	*		.0	.0	*	.0	.0
TOTAL	0	2	8	82	341	550	121	502	2206	100.0										
PCT	.0	.1	.4	3.7	15.5	24.9	32.7	22.8			14.1	9.7	10.0	7.1	11.1	14.3	15.6	16.7	.0	1.4

TABLE 15

	ADEC 17													INDEL	10			
HEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR								Y HOUR		PERC	ENT FRE	QUENCY	OF RELA	TIVE H	YTIDIMU	BY HOU		
HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL	HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
£0300	78 78	74	72 72	68	63	60	56 58	67.6	893 1103	00803	.0	2.3	14.2	24.4	34.6	24.6	81	529 535
12615 18621 TOT	80 84 84	77 76 76	75 74 74	69 69	63	62 61	57 59	68.9	943 1141 4080	12615 18621 707	.0	7.0 4.6 95	16.5 17.9 346	26.6 25.7 561	32.2 30.3 729	17.7 21.6 508	78 79 80	587 588 2239
101	84	10	74	68	63	01	56	08.3	4000	101	0	95	340	361	129	508	80	2239

OCTOBER

PERIOD: (PRIMARY) 1926-1972 (OVER-ALL) 1855-1972

TABLE 17

AREA 0001 AZORES 38.0N 26.7W

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA	53	57	61	65	69	73	77	81	TOT	W	WO	
THP DIF	56	60	64	68	72	76	80	84		FOG	FOG	
14/16	.0	.0	.0	.0	.0		.0	.0	1	.0		
11/13	.0	.0	.0	.0	.0	*			3 7	.0	.1	
9:10	.0	.0	.0	.0		.1	.1	.0	7	.0	.3	
7/8	.0	.0	.0	.1	.1	.3	.1	*	16	.0	.7	
6	.0	.0	.0		.1	.3	. 1	.0	13	.0	.6	
5	.0	.0	.0	:	.3	.6	.2	.0	28	.0	1.2	
4	.0	.0	.0	.1	1.3	1.0	. 2	.0	61	.0	2.6	
3	.0	.0	.0	.3	1.1	1.6	:	.0	72	.0	3.0	
2	.0	.0	.1	1.5	3.8	1.9		.0	172	.0	7.3	
1	.0	.0	.1	2.2	5.8	1.8	.0	.0	233	.1	9.7	
0	.0	.0	.3	5.3	7.8	1.6	.0	.0	354	.2	14.8	
0	.0	.0	.7	7.0	5.3	.6	.0	.0	321	.1	13.5	
-2	.0	.0	1.7	7.9	3.7	.4	.0	.0	325	.1	13.7	
-3	.0	.0	1.7	6.1	2.6	*	.0	.0	247	.1	10.4	
-4	.0	.1	2.0	4.8	.8	.0	.0	.0	183	.1	7.6	
-5	.0	.1	2.1	2.8	.6	.1	.0	.0	135	.1	5.6	
-6		*	2.1	1.6	.3	.0	.0	.0	95	*	4.0	
-7/-8	.0	.0	1.9	.8	.2	.0	.0	.0	68	*	2.8	
-9/-10	.0	.2	.6	.2	.0	.0	.0	.0	22	.0	. 9	
-11/-13	.0		.1	.1	.0	.0	.0	.0	5	.0	.2	
TOTAL	1		313		802		20			22	2339	
		10		964		249		2	2361			
PCT		. 4	13.3	40.8	34.0	10.5	. 8	-1	100.0	. 9	99.1	

PERIOD: (OVER-ALL) 1963-1972

				PC	T FREQ	OF WIND	SPEED	(KTS)	AND DIRE	CTION V	ERSUS S	EA HEIG	HTS (FT		
				N								NE			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.2	.3	.0	.0	.0	.5		.1	.7	*	.0	.0	.0	. 8
1-2	.1	2.0	1.8	.0	.0	.0	4.0		.0	1.6	.6	.0	.0	.0	2.3
3-4	.0	.8	2.7	.5	.0	.0	3.9		.0	1.0	1.5	.2	.0	.0	2.7
5-6	.0	• 2	2.5	.6	.0	.0	3.4		.0	.5	1.3	.5	.0	.0	2.3
7	.0	.1	.9	.8	.0	.0	1.8		.0	.0	.9	.3	.0	.0	1.2
8-9	.1	.0	.1	.1	.0	.0	.3		.0	.0	.2	.1	.0	.0	.3
10-11	.0	.0	.1	.1	.2	.0	.4		.0	.0		.2	.0	.0	.2
12	.0	.0	.0	.0	.0	.0	.0		.0	.0	*	.0	.0	.0	*
13-16	.0	.0	.0	.1	.0	.0	.1		.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	0	.0
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0		0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
TOT PCT	• 2	3.4	8.4	2.2	• 2	.0	14.4		.1	3.8	4.6	1.3	•0	•0	9.8
				E								SE			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	.4	.1	.0	.0	.0	. 8		.1	.2	.0	.0	.0	.0	.4
1-2	.1	1.6	.7	.0	.0	.0	2.5		.0	.5	.7	.0	.0	.0	1.2
3-4	.0	.8	1.8	.1	.0	.0	2.7		.0	.4	.8	.2	.0	.0	1.4
5-6	.0	.1	1.0	.1	.0	.0	1.2		.0	.1	. 8	.1	.0	.0	1.0
7	.0	.0	.1	.6	.2	.0	.9		.0	.1	.9	.2	.0	.0	1.2
8-9	.0	.0	.2	.2	.1	.0	.5		.0	.0	.2	.1	*	.0	.3
10-11	.0	.0	.1	.2	.0	.0	.3		.0	.0	.0	.1	.0	.0	.1
12	.0	.0	.1	.0	.1	.0	.2		.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.1	.0	.1		.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0		0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
TOT PCT	.4	2.8	4.1	1.3	.5	.0	9.2		-1	1.3	3.3	. 8		-0	5.6

PERIOD:	Inves	- 4111	1963-1	077					DCT	BER				ADEA	0001	AZORES	
FERTON.	10121		1,03-	112				TABLE	18	(CONT)				AREA			.7W
				PC	T FREQ	OF WIND	SPEED	(KTS)	AND	DIREC	TION	VERSUS	SEA HEIG	SHTS (FT)		
HGT	1-3	4-10	11-21	5 22-33	34-47	48+	PCT			1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	.5	.4	.0	.0	.0	.0	.9			.1	.3			.0	.0	.5	
1-2	.2	1.5	1.1	.0	.0	.0	2.8			.1	1.5			.0	.0	3.1	
3-4	.0	.7	2.4	.2	.0	.0	3.2			.0	1.2			.0	.0	4.0	
5-6	.0	.4	1.9	.6	.0	.0	2.9			.0	.2			.0	.0	2.1	
7	.0	.0	.7	.6	.0	.0	1.3			.0	.0			.0	.0	1.6	
8-9	.0	.0	.3	.1	.0	.0	.4			.0	.0	.9	.6	.0	.0	1.4	
10-11	.0	.0	. 1	.0	.0	.0	.1			.0	.0		. 4	.2	.0	.7	
12	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.2	
13-16	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.1	
17-19	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
26-32 33-40	.0	.0	.0	.0	.0	.0	.0			.0	•0			.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0		
87+	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0		
TOT PCT	. 7	3.0	6.5	1.4	.0	.0	11.5			.2	3.2			.2	.0	13.6	
				w									NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT			1-3	4-10	11-21		34-47	48+	PCT	PCT
<1	.1	.2	.0	.0	.0	.0	.3			.2	. 3			.0	.0	.6	
1-2	.3	2.8	1.9	.0	.0	.0	5.0			.2	2.8	1.5		.0	.0	4.6	
3-4	.0	1.0	2.4	.5	.0	.0	3.9			.0	1.2	3.0		.0	.0	5.4	
5-6	.1	.3	2.4	.5	• 1	.0	3.4			.0	.0			.0	.0	3.4	
7	.0	. 1	1.1	1.2	.0	.0	2.4			.1	. 1	1.2		.0	.0	1.8	
8-9	.0	.0	.1	.6	• 1	.0	.9			.0	.0		.4	.0	.0	1.0	
10-11	. 0	.0	.2	.3	.0	.0	.6			.0	.0			*	.0	.6	
12	.0	.0	.0	.3	.0	.0	.3			.0	.0		.4	.0	.0	.4	
17-19	.0	.0	.0	.0	.0	.0	.0			.0	.0			.1	.0	.3	
20-22	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0		.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
TOT PCT	.5	4.5	8.1	3.7	.2	.0	17.0			.6	4.4	9.0	3.9	•1	.0	18.0	99.0

	WIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	2.9	2.8	.4	.0	.0	.0	6.1	003
1-2	1.1	14.4	9.8	.0	.0	.0	25.3	
3-4	.1	7.0	16.9	3.2	.0	.0	27.2	
5-6	.1	1.8	13.8	3.7	.1	.0	19.5	
7	.1	.3	6.7	4.6	.2	.0	12.0	
8-9	•1	.0	2.5	2.2	.2	.0	5.0	
10-11	•0	.0	.6	1.9	.4	.0	3.0	
12	.0	.0	.1	1.0	.1	.0	1.2	
13-16	.0	.0	.1	.4	.1	.0	.6	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.1	.0	.1	
23-25	.0	• 0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	• 0	.0	.0	.0	.0	.0	.0	
61-70	• 0	.0	.0	.0	.0	.0	.0	
71-86	•0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
			-	1	- 1			937
TOT PCT	4.4	26.4	50.9	17.1	1.3	. 0	100.0	

PERIOD: (OVER-ALL) 1949-1972 TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 41
2.0 .6 .7 .2 .2 .0 .0 .0 .0 .0 .0

5.9 2.9 .9 .5 .3 .2 .1 .0 .0 .0

5.5.2 2.6 1.9 .7 .8 .0 .2 .0 .0 .0 .0

1.9 2.1 1.2 .7 .5 .0 .1 .0 .0 .0

.6 .7 .7 .3 .2 .0 .1 .0 .0 .0

.6 .7 .7 .3 .2 .0 .0 .0 .0 .0 .0

.2 .1 .4 .1 .2 .0 .1 .0 .0 .0

1.8 1.1 .6 .4 .5 .5 .1 .1 .0 .0 .0

1.8 1.1 .6 .4 .5 .5 .7 .0 .0 .0

17.6 10.2 6.4 2.9 2.7 .3 .4 .0 .0 .0 PERIOD (SEC) <6 6-7 8-9 10-11 12-13 >13 INDET TOTAL PCT HEAN HGT 4 6 7 8 8 10 5 6 41-48 49-60 61-70 71-86

.0 .0 .0 .0 .0

.0 .0 .0 .0

.0 .0 .0 .0

.0 .0 .0 .0

.0 .0 .0 .0

.0 .0 .0 .0

.0 .0 .0 .0

.0 .0 .0 .0

.0 .0 .0 .0

.0 .0 .0 .0 87+ .0 .0 .0 .0 .0 1-2
7.3
.6
.2
.5
.0
.0
1.4
188
10.0 3-4 12.7 5.8 1.4 .4 .3 .0 2.3 429 22.9 5-6 6.1 9.3 3.6 1.3 .2 1.5 421 22.5 1.9 .1 .0 .0 .0 2.0 76 4.1 594 497 313 164 60 25 219 1872 100.0

NOVEMBER

PERIOD: (PRIMARY) 1926-1972 (DVER-ALL) 1856-1972

TABLE 1

AREA 0001 AZDRES 38.0N 26.7W

PERCENT	FREGUENCY	DE	WEATHER	DECURRENCE	RY	WIND	DIRECTION	

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHENO	MENA	
WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	
N NE	3.1	5.5	2.4	.0	.0	.0	.0	10.6	6.2	.2	.0	.2	.0	.0	82.9
		1.5	3.4	.0			.0	7.5	3.2	.0		.0	.3	.0	87.8
E SE	5.8	4.1	3.3	.0	.0	•0	.0	12.7	5.4	.0	1.2	.0	.3	.0	80.3
S	5.4	1.7	4.0	.0	.0	•0	.0	10.0	6.5	.5	1.4	.0	1.4	.0	80.2
SW	3.7	1.8	1.4	.0	.0	•0	.0	6.9	4.7	.2	.3	.0	.2	.3	87.3
w	3.3	2.2	2.2	.0	.0	.0	.0	7.5	4.9	1.0	1.8	.0	1.3	.0	83.4
NW	1.7	4.7	1.3	.0	.0	.0	.3	7.8	5.3	.8	1.1	.3	.0	.0	85.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	3.3	.0	.0	•0	.0	3.3	.0	.0	3.3	.0	6.7	.0	86.7
TOT PCT	3.4	3.2	2.4	.0	.0	.0		8.8	5.2	.3	1.0	.1	.5	.1	84.1

TABLE 2

		PERCENT	FREQUENCY	OF	WEATHER	DCCURRENCE	BY	HOU
--	--	---------	-----------	----	---------	------------	----	-----

			P	RECIPI	TATIO	TYPE					OTHER	WEATHER	PHENO	MENA	
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	
00&03 06&09 12&15 18&21	4.1 3.5 2.3 3.7	3.6 3.5 2.9 3.1	2.3 2.9 1.6 2.7	.0	.0	•0	.0	9.7 9.6 6.6 9.3	5.7 4.7 4.8 5.6	.6 .7 .0	1.2 1.2 1.8	.0 .1 .1	.4 .4 .7	.3	83.3 83.2 86.6 82.7
TOT PCT TOT DBS:	3.4	3.3	2.4	•0	.0	•0	•	8.8	5.2	.3	1.1	•1	.5	•1	84.0

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		WIN	D SPE	ED (KN	DTS)								HOUR	(GMT)			
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	PCT	MEAN	00	03	06	09	12	15	18	21
							DBS	FREQ	SPD								
N	.8	3.7	6.0	2.4	.9	.2		14.0	16.6	14.8	15.0	14.4	14.7	13.4	11.6	13.7	14.1
NE	.5	5.0	5.6	2.7	.5	*		14.3	15.1	14.4	10.9	13.5	13.1	16.2	15.2	14.3	14.9
E SE	.5	3.5	4.8	1.4	.2			10.4	13.9	10.4	10.4	9.1	8.9	11.0	10.8	11.5	9.7
SE	.3	3.5	4.9	1.3	.2	.0		10.2	14.0	11.1	10.1	9.4	11.2	9.1	8.9	10.9	11.7
S	.5	3.9	5.3	1.6	.1	.1		11.5	14.3	11.0	10.9	11.9	9.0	11.5	13.2	11.6	12.4
SW	.5	4.0	5.5	1.3	.4	*		11.6	14.2	11.6	13.3	11.9	12.7	11.5	11.6	11.1	10.5
W	.6	4.1	5.7	2.2	.5			13.1	15.2	12.3	13.5	13.9	14.2	12.8	12.4	13.0	12.6
NW	.6	3.9	5.2	2.7	1.0	. 1		13.5	16.9	12.6	15.2	13.9	13.7	13.8	14.7	13.0	12.8
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.4							1.4	.0	1.8	.7	2.0	2.7	.7	1.6	. 8	1.2
TUT OBS	253	1401	1901	697	162	20	4434		14.9	685	278	858	293	713	304	981	322
TUT PCT	5.7	31.6	42.9	15.7	3.7	.5		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WND DIR	0-6	7-16	SPEED 17-27		41+	TOTAL	PCT	MEAN SPD	00	06 09	12 15	18 21
N NE	2.1	5.7	4.2	1.6	.3		14.0	16.6	14.9	14.5	12.8	13.8
NE	2.2	6.5	4.2	1.3	. 1		14.3	15.1	13.4	13.4	15.9	14.5
E	1.6	5.4	2.9	.4			10.4	13.9	10.4	9.1	11.0	11.1
SE	1.6	5.3	2.7	.5	. 1		10.2	14.0	10.8	9.8	9.0	11.1
E SE S	1.6	5.9	3.4	.6	.1		11.5	14.3	11.0	11.1	12.0	11.8
SW	1.5	6.4	3.0	.6	.1		11.6	14.2	12.1	12.1	11.5	10.9
SW	1.9	6.1	3.8	1.1	.1		13.1	15.2	12.6	14.0	12.7	12.9
NW	2.2	5.2	3.8	2.0	. 2		13.5	16.9	13.4	13.8	14.1	12.9
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	1.4		••				1.4	.0	1.5	2.2	1.0	.9
TOT OBS	717	2065	1241	366	45	4434		14.9	963	1151	1017	1303
TOT PCT	16.2	46.6	28.0	8.3	1.0	145.	100.0			100.0		

NOVEMBER

PERIOD: (PRIMARY) 1926-1972 (OVER-ALL) 1856-1972

TABLE 4

AREA 0001 AZDRES 38.0N 26.7W

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

				WIND	SPEED (KNOTS)			PCT	TOTAL
HOUR	CALM	1-3	4-10	11-21	22-33	34-47	48+	MEAN	FREQ	085
00603	1.5	3.9	30.1	44.5	15.0	4.6	.4	15.3	100.0	963
90380	2.2	4.9	34.3	41.9	13.8	2.4	.5	13.9	100.0	1151
12615	1.0	4.6	28.7	44.5	16.8	3.8	.5	15.4	100.0	1017
18821	.9	3.9	32.5	41.2	17.1	3.9	.4	15.2	100.0	1303
TOT	61	192	1401	1901	697	162	20	14.9		4434
PCT	1.4	4.3	31.6	42.9	15.7	3.7	.5		100.0	

TABLE 5

TABLE 6

		4																
	PCT FRE			D DIREC		(EIGHTHS)							CEILIN NH <5/					
WND DIR	0-2	3-4	5-7	8 & 085CD	TOTAL	CLOUD COVER	000 149	150	300 599	600 999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8	
N	1.6	3.3	6.3	3.2		5.4	.0	.1	.3	1.5	3.2	2.0	.4	.2	.1	.1	6.6	
NE	1.6	3.2	6.5	3.6		5.5		.1	.1	1.8	2.9	1.9	1.1	*	.1	.1	6.7	
E	1.5	2.3	4.6	2.9		5.5		.0	.4	1.4	1.7	1.3	.7	.1	.1	*	5.5	
SE	1.6	1.6	4.3	3.0		5.6	.0	*	.4	1.3	2.0	1.0	.5	. 1	.0	*	5.2	
S	2.1	1.8	3.5	4.0		5.5		*	.4	1.4	2.1	1.1	.5	.2	.1	*	5.5	
SW	1.6	2.3	3.5	3.6		5.5		.1	.2	1.3	1.9	1.1	.4	.2	*	.1	5.6	
W	2.6	2.7	4.4	3.0		5.0	.1	*	. 5	1.6	1.9	1.0	.4	.1	.1	.0	6.9	
NW	2.2	2.8	5.2	3.0		5.1	.1		.6	1.7	1.9	1.3	.4	.1	.1	.1	6.8	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	. 2	.2	.2	.3		5.0		*	.0	*	.2	*	.1	.0	.0	.0	.4	
TOT OBS	350	470	906	624	2350	5.4	9	10	67	283	419	257	106	22	15	9	1153	2350
TOT PCT	14.9	20.0	38.6	26.6	100.0	77	.4	.4	2.9	12.0	17.8	10.9	4.5	.9	.6	.4	49.1	100.0

CUMULATIVE PCT FREQ	OF SIMULTANEOUS	OCCURRENCE
OF CEILING HEIGHT		

				VSBY (NH)			
CEILING	· OR	= DR	- DR	- DR	- DR	• DR	- DR	= DR
(FEET)	>10	>5	>2	51	>1/2	>1/4	>50YD	>0
- OR >6500	.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0
■ DR >5000	1.3	1.9	1.9	1.9	1.9	1.9	1.9	1.9
■ DR >3500	4.9	6.3	6.4	6.4	6.4	6.4	6.4	6.4
■ DR >2000	12.9	16.7	17.1	17.2	17.2	17.2	17.2	17.2
= DR >1000	26.4	34.0	34.8	34.8	34.9	35.0	35.0	35.0
■ DR >600	34.1	45.1	46.8	46.8	46.9	47.0	47.0	47.0
■ DR >300	35.0	47.2	49.6	49.7	49.8	49.9	49.9	49.9
# DR >150	35.0	47.5	49.9	50.1	50.2	50.3	50.3	50.3
. DR > 0	35.1	47.7	50.2	50.4	50.5	50.7	50.7	50.7
TOTAL	832	1121	1191	1105	1108	1201	1201	1202

TOTAL NUMBER OF OBS: 2371 PCT FREQ NH <5/8: 49,3

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	OBS
6.2	6.0	11.9	12.3	12.2	8.8	12.5	10.4	19.4	.2	2519

Nn	101	CA	AR	2	D.

								MUVI	EMBER						
PERIOD:	(PRIMARY) 1 (OVER-ALL) 1							TAI	BLE 8				ARE	DIA 1000 AZD	
			P	ERCENT	PREC							IBILIT		E OF	
	VSBY (NM)		N	NE	F	SF	s	SW	W	NW	VAR	CALM	PCT	TOTAL	
	<1/2	PCP NO PCP TOT %	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.1		
	1/2<1	PCP NO PCP	.0	.0	.0	:	.2	.0	.0	.0	.0	.0	.1		
		TOT %	.0	*1	.1	•1	.0	.0	:1	:	.0	.0	.4		
	1<2	NO PCP	.0	•0	.0	•1	:	.1	•0	:	.0	.0	.1		
	2<5	PCP NO PCP TOT %	.1	.1	.1	.3	.4 .3 .7	.1 .1 .2	.1	.1 .3 .5	.0	•0	1.5 1.4 2.9		
	5<10	PCP NO PCP TOT %	.9 2.9 3.7	.6 2.4 3.0	.5 1.6 2.1	1.9 2.5	.5 2.1 2.6	1.9	.7 2.2 2.9	2.7 3.3	.0	.0	4.8 18.0 22.8		
	10+	PCP NO PCP TOT %	.5 10.0 10.5	11.0 11.4	8.7 8.9	6.8 7.1	7.5 7.7	8.0 8.2	9.1 9.2	9.4 9.7	.0	.7 .7	2.1 71.2 73.3		

TOT OBS
TOT PCT 14.6 14.7 11.3 10.2 11.3 10.8 12.5 13.6 .0 1.0 100.0

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD	N	NE	Ε	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	*	*	
<1/2	4-10	.0	.0	.0	*	.0	.0		.0	.0		. 1	
	11-21		*	.0	.0	.1	.0	.0	.0	.0		.1	
	22+	.0	.0	.0		*	.0	.0	.0	.0		.1	
	TOT %	*	*	.0	.1	•1	.0	*	.0	.0	*	.2	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	4-10	.0	.0	.0	*	*	*	*	*	.0		.1	
	11-21	.0	*	*	*	.1	.0	*	.0	.0		.2	
	22+	.0	*	*	.0	.0	.0	.0	.0	.0		.1	
	TOT %	.0	.1	.1	*	.2	*	*		.0	.0	.4	
	0-3	.0	.0	.0	.0	.0	*		.0	.0	.0		
1<2	4-10	.0	*	.0	.0	.0	.0	.0	.0	.0		*	
	11-21	.0	.0	*	.0		*	*	*	.0		. 2	
	22+	.0		*	.1	.1	.1	.0	.0	.0		.3	
	TOT %	.0	.1	*	.1	.1	.1			.0	.0	.5	
	0-3		.0	.0		*				.0	.1	.2	
2<5	4-10	.1	*	.0	.1	.1	*	.1	.1	.0		.6	
	11-21	*	.1	.1	*	.3	.1	.1	*	.0		.9	
	22+	.2	.2	. 2	.2	.3	.1	.1	.3	.0		1.7	
	TOT %	.2	.3	.4	.4	.7	.4	.4	.5	.0	.1	3.4	
	0-3	.1		.1	.1			.1	.2	.0	.3		
5<10	4-10	.9	.5	.6	. 3	.5	.5	.6	. 8	.0		4.7	
	11-21	1.3	1.2	.8	1.4	1.5	1.3	1.5	1.4	.0		10.4	
	22+	1.4	1.1	.6	.5	. 8	. 8	.9	1.0	.0		7.1	
	TOT %	3.7	2.9	2.0	2.3	2.8	2.6	3.1	3.4	.0	.3	23.2	
	0-3	.6	4,5	.3	.2	.3	.2	3:3	.5	.0	.9	3.8	
10+	4-10	2.8	4.5	2.9	2.6	2.8	3.1	3.3	3.0	.0		25.2	
	11-21	5.0	4.4	3.9	3.1	3.4	3.9	4.2	3.9	.0		31.8	
	22+	2.1	2.1	.9	.6	.8	. 8	1.7	2.5	.0		11.5	
	TOT %	10.6	11.5	7.9	6.5	7.4	8.0	9.7	9.9	.0	.9	72.4	
	TOT 085												3614
	TOT DCT	14 7	14 0	10 4	0 4	11.3	11 1	12 2	12.0	- 0	1 2	100 0	

NOVEMBER

PERIOD: (PRIMARY) 1926-1972 (OVER-ALL) 1856-1972

TABLE 10

AREA 0001 AZDRES 38.0N 26.7W

PERCENT FREQUENCY OF CEILING HFIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL	
00803	.0	.2	2.6	10.3	19.1	10.2	4.1	.5	.9	.3	48.3	51.7	580	
90360		.4	2.5	11.7	18.0	9.4	4.0	1.0	.4	.2	47.9	52.1	522	
12615	.2	.6	2.9	12.7	15.2	11.2	4.4	.9	.5	.6	49.2	50.8	659	
18621	.9	.4	3.3	11.9	17.9	11.3	4.9	1.2	.7	.3	52.7	47.3	675	
TOT	9	10	69	285	426	258	107	22	15	9	1210	1226	2436	

TABLE 11

TABLE 12

		PERCENT	FREQUEN	CY VSBY	(NM)	BY HOUR		CUMULAT					VSBY (NM)	
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL DBS	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00603	.2	.1	.2	1.8	22.4	75.2	832	00603	.0	3.2	14.6	35.6	49.8	556
06609	•0	.4	.4	3.3	24.4	71.4	905	90360	.4	3.5	17.2	32.1	50.7	511
12615	.5	.3	.5	3.2	21.0	74.5	884	12615	.2	3.9	18.1	32.4	49.5	642
18621	• 2	.6	.7	5.1	24.7	68.8	1041	18821	.9	4.7	18.6	35.5	45.9	662
TOT PCT	.2	14	17	126 3.4	850 23.2	2647 72.3	3662 100.0	TOT PCT	9	92	408	805	1158 48.8	2371

TABLE 12

				1,	ABLE I	3									TABL	E 14				
	PERC	ENT FR	EQUENC	Y OF R	ELATIV	E HUMI	DITY B	Y TEMP	TOTAL	PCT		PERC	ENT FR	EQUEN	Y OF W	IND DI	RECTIO	N BY T	EMP	
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100		FREQ	N	NE	E	SE	s	SW	W	NW	VAR	CALM
75/79	.0	.0	.0		.3	.2	.0	.1	15	.6	.0	*	.1	.1	.1		.1	.1	.0	.0
70/74	.0	.0	*	.5	.7	1.1	1.8		133		.2	.2	.5	.7	1.1	1.1	. 8	.7	.0	.1
65/69	.0		.1	1.4	3.8	8.9	14.3	13.6	1030	42.2	2.9	3.8	4.5	5.8	7.7	7.4	5.9	3.7	.0	.5
60/64	.0	.0	1	2.8	10.7	13.8	10.4	7.4	1103	45.2	9.4	8.9	5.5	3.7	2.3	2.9	4.5	7.4	.0	.5
55/59	.0	.0	.1	.9	1.5	1.0	1.8	. 9	150	6.1	1.8	1.0	.4	.1	. 2	.1	.7	1.8	.0	
50/54	.0	.0	.0	.0		.2	.2		11	.5	- 1		.0		.0	.0	.1	. 2	.0	.0
TOTAL	0	1	8	136	419			571		100.0									•	
PCT	.0	•	.3	5.6	17.2			23.4			14.5	14.0	11.1	10.3	11.3	11.5	12.2	13.9	.0	1.1

TABLE 15

														INDEE				
	MEANS,	EXTREM	ES AND	PERCEN	TILES	OF TEN	AP (DE	G F) 8	Y HOUR		PERC	ENT FRE	QUENCY	OF RELA	TIVE H	MIDITY	BY HOU	
HOUR		99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS	HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
00803	79	70	69	64	58	56	53	63.8	964	00603	.0	4.5	14.9	25.0	29.3	26.3	80	604
06609	73	70	68	64	58	55	52	63.6	1153	06609	.0	5.7	15.3	24.2	28.5	26.2	80	561
12615	78	75	71	65	60	56	53	65.4	1006	12615	.0	9.4	19.7	26.1	25.8	19.1	77	640
18821	77	73	70	64	59	57	54	64.7	1282	18621	.0	4.7	17.9	24.9	30.1	22.4	79	675
TOT	79	72	70	64	59	56	52	64.4	4405	TOT.	0	151	423	622	705	579	79	2480

NOVEMBER

PERIOD: (PRIMARY) 1926-1972 (OVER-ALL) 1856-1972

TABLE 17

AREA 0001 AZORES 38.0N 26.7W

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)

VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

					1-11-11-11-11-11-11-11-11-11-11-11-11-1						
AIR-SEA	49	53	57	61	65	69	73	77	TOT	W	Wa
THP DIF	52	56	60	64	68	72	76	80		FOG	FOG
9/10	.0	.0	.0	.0		.1	.1	.1	8	.0	.3
7/8	.0	.0	.0		.1	.2	.3	.1	18	.0	.7
6	.0	.0		.0	.1	.3	.2	.0	18	.0	.7
. 5	.0	.0	.0		.1	.6	. 1	.0	22	.0	.8
4	.0	.0	.0	.1	.7	.7		.0	41	.0	1.5
3	.0	.0	.0	.2	1.5	.9	.1	.0	73	.0	2.7
4 3 2 1 0	.0	.0	.0	.4	4.5	2.0	.1	.0	191	.2	6.9
1	.0	.0	.1	1.2	5.5	2.0		.0	236	.3	8.5
0	.0	.0	.2	3.2	8.2	1.3		.0	348	.2	12.8
-1	.0	.0	.5	5.3	5.5	. 8	.0	.0	326	.3	11.8
-2	.0	.0	1.0	7.2	4.5	.2	.0	.0	345	.1	12.7
-3	.0	*	1.5	6.8	3.1	.1	.0	.0	313	.0	11.7
-4	.0	.0	1.7	5.6	1.6	*		.0	243	.0	9.1
-5	.0	.1	2.2	4.4	. 8	.0	.0	.0	199	.0	7.4
-6	.0	.0	1.3	2.2	.5	.1	.0	.0	110	.0	4.1
-7/-8	.0	.6	1.8	1.6	.3	.0	.0	.0	115	.0	4.3
-9/-10		.3	. 8	.6	.1	.0	.0	.0	48	.0	1.8
-11/-13	.0	.3	.5	.2	.0	.0	.0	.0	26	.0	1.0
-14/-16	.0		.1		.0	.0	.0	.0	4	.0	.1
TUTAL	1		313		1001		29			31	2653
	10.11	34		1050		252		4	2684		
PCT		1.3	11.7	39.1	37.3	9.4	1.1	.1	100.0	1.2	98.8

PERIOD: (OVER-ALL) 1963-1972

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT) HGT
<1
1-2
3-4
5-6
7
8-9
10-11
12
13-16
17-19
20-22
23-25
26-32
33-40
41-48
49-60
61-70
71-86
FFT 1-3 PCT .22 .2. .3 .4 .3 .3 .3 .1 .5 .1 .3 .6 .2 .9 .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1 .5 .5 1-3 48+ HGT
<1
1-2
3-4
5-6
7
8-9
10-11
12
13-16
17-19
20-22
23-25
26-32
33-40
41-48
49-60
61-70
71-86
49-70
TPCT PCT 1-3 48+ PCT 1.3 3.2 3.5 2.7 2.0 .7 .1 .2 .0 .0 .0 .0 .0 .0 48+

NOVEMBER

PERIOD: (OVER-ALL) 1963-1972

TABLE 18 (CONT)

AREA 0001 AZDRES 38.0N 26.7W

PCT	EREO O	E JIND	CPECN	(KTS)	AND	DIRECTION	VEDSIIC	CEA	HETCHTS	(ET)

				PC	T FREO	OF WIND	SPEED	(KTS)	AND DIRE	CTION	ERSUS S	EA HEID	HTS (FT)		
HGT	1-3	4-10	11-21	5 22-33	34-47	48+	PCT		1-3	4-10	11-21	SW 22-33	34-47	48+	PCT	
<1	.1	.5	.0	.0	.0	.0	PCI		.0		.0	.0	.0	.0	.4	
1-2	.3	.3	.9	.0	.0	.0	1.4		.0	1.3	.8	.0	.0	.0	2.1	
3-4	.0	.9	2.1	.3	.0	.0	3.3		.0	1.0	2.2		.0	.0	3.2	
5-6	.0	.3	1.3	.3	.1	.0	1.9		.0	.0	1.8	.4		.0	2.2	
7	.0	.0	.8	.9	.0	.0	1.7		.0		.6	.5	.1	.0	1.3	
8-9	.0	.0	.2	.4	.0	.0	.6		.0	.1	.2	.3	.3	.0	.9	
10-11	.0	.0	.2	.2	.1	.0	.4		.0	.1	.1		.2	.0	.4	
12	.0	.0	.1	.2	.1	.0	.4		.0	.0	.0	.0		.0		
13-16	.0	.0	.1	.1	.1	.0	.3		.0	.0	.0	.0		.0		
17-19	.0	.0	.0	.1	.0	.0	.1		.0	.0	.0		.0	.0		
20-22	.0	.0	.0	.1	.0	.0	.1		.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.1	.0	.1	
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.4	1.8	5.6	2.5	.3	.0	10.6		.0	2.8	5.6	1.3	.8	.0	10.5	
				w								NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.0	.4	.0	.0	.0	.0	.4		*		.0	.0	.0	.0	.1	
1-2	.0	1.8	.4	.0	.0	.0	2.2		.1	1.0	.5	.0	.0	.0	1.5	
3-4	.0	1.4	2.2	.3	.0	.0	3.8		.0	1.8	1.4	.1	.0	.0	3.4	
5-6	.0	.3	1.7	.4	.0	.0	2.4		.0	.3	1.3	.5	.1	.0	2.1	
7	.0	.1	.4	.6	•1	.0	1.2		.0	.2	.7	.5	.2	. 1	1.7	
8-9	.0	.0	.3	.3	.0	.0	.6		.0	.0	.4	.6	.1	.0	1.1	
10-11	.0	.0	.2	.2	• 1	.0	.6		.0	*	.1	.6	.1	.0	.8	
12	.0	.1	.0	.1	• 1	.0	.3		.0	.0	.0	.3	.1	.0	.4	
13-16	.0	.0	.0	.1	• 2	.0	.3		.0	.0	.0	• 2	.1	.0	.3	
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.1	• 2	.1	.4	
20-22	.0	.0	.0	.1	.0	.0	.1		.0	•0	.0	.0	.1	.0	•1	
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.1	.0	.1	
33-40	.0	.0	.0	.0	•0	.0	.0		.0	•0	.0	.0	.0	.0	.0	
41-48		.0	.0	.0	.0		.0		.0	•0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
61-70				.0			.0									
71-86	.0	.0	.0	.0	.0	.0	.0		.0	•0	.0	.0	.0	•0	.0	
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	4.0	5.2	2.0	.5	.0	11.7		.1	3.3	4.3	2.8	1.2	.2	11.8	99.0
101 101	. 0	4.0	3.2	2.0	. >	.0	41.			3.3	4.3	2.0	1.2	• 6	11.0	,,,,

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HIND	36660	10131	A2 2EM	WEIGHT	(-1)		
0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
2.2	3.1	.3	.0	.0	.0	5.6	000
.4	11.9	6.6	.0	.0	.0	18.9	
• 0	9.1	17.3	1.8	.0	.0	28.2	
	2.7	13.4	4.0	.3	.0	20.4	
.0	.5	5.5	4.5	.4	.1	10.9	
• 0	.1	2.1	3.7	.6	.0	6.5	
.0	.2	. 8	2.3	.6	.0	3.9	
• 0	.1	.1	1.3	.4	.0	1.9	
• 0	.0	.1	1.4	1.1	.0	2.6	
.0	.0	.0	.2	.3	.1	.6	
•0	.0	.0	.2	.1	.0	.3	
• 0	.0	.0	.1	.2	.0	.3	
• 0	.0	.0	.0	.0	.0	.0	
•0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.0	.0	.0	
• 0	.0	.0	.0	.0	.0	.0	
•0	.0	.0	.0	.0	.0	.0	
• 0	.0	.0	.0	.0	.0	.0	
•0	.0	.0	.0	.0	.0	.0	
							1005
2.6	27.7	46.2	19.4	4.0	.2	100.0	
	0-3 2-2 -4 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0	0-3 4-10 2.2 3.1 .4 11.9 .0 9.1 .0 2.7 .0 .1 .0 .2 .0 .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	0-3 4-10 11-21 2.2 3.1 .3 .4 11.9 6.6 .0 9.1 17.3 .0 2.7 13.4 .0 .5 5.5 .0 .1 2.1 .0 .2 .8 .0 .1 .1 .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	0-3 4-10 11-21 22-33 2.2 3.1 .3 .0 .4 11.9 6.6 .0 .0 9.1 17.3 1.8 .0 2.7 13.4 4.0 .0 .5 5.5 4.5 .0 .1 2.1 3.7 .0 .2 8 2.3 .0 .1 .1 1.3 .0 .0 .0 .1 1.4 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	0-3 4-10 11-21 22-33 34-47 2.2 3.1	2.2 3.1 .3 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	0-3 4-10 11-21 22-33 34-47 48+ PCT 2.2 3.1 .3 .0 .0 .0 .5.6 .4 11.9 6.6 .0 .0 .0 .0 18.9 .0 9.1 17.3 1.8 .0 .0 28.2 .0 2.7 13.4 4.0 .3 .0 20.4 .0 .5 5.5 4.5 .4 .1 10.9 .0 .1 2.1 3.7 .6 .0 .6.5 .0 .2 .8 2.3 .6 .0 3.9 .0 .1 1.1 1.3 4 .0 1.9 .0 .0 .1 1.4 1.1 .0 2.6 .0 .0 .0 .0 .2 .3 .1 .6 .0 .0 .0 .0 .2 .3 .1 .6 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0

PERIOD: (OVER-ALL) 1949-1972

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN
<6	1.4	7.0	11.0	6.4	2.0	1.2	.4	1	2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	614	4
6-7		1.2	3.8	7.9	4.7	3.7	1./	1.0	1.0	.1		*	.0	.0	.0	.0	.0	.0	.0	520	0
8-9	.0	.2	1.2	3.2	3.8	3.4	2.3	.8	1.4	.3	.4	.1		.0	.0	.0	.0	.0	.0	355	8
10-11	.0	.3	.4	. 8	1.4	1.7	1.3	.8	.7		.2	.3	.1	.0	.0	.0	.0	.0	.0	168	9
12-13	.0	.0	. 4	.6	.2	1.1	.9	.4	.5	.3	.1	.0	.1	.0	.0	.0	.0	.0	.0	99	10
>13	.0	.0	.0	.2	.2	.2	*	.1	.8	.0	.3		.1	.0	.0	.0	.0	.0	.0	43	14
INDET	2.0	1.6	1.8	2.0	2.0	1.0	.9	.4	.5	.1	*	.0		.0	.0	.0	.0	.0	.0	260	5
TOTAL	72	213	386	437	296	253	154	77	107	19	25	10	10	0	0	0	0	0	0	2059	6
PCT	3.5	10.3	18.7	21.2	14.4	12.3	7.5	3.7	5.2	.9	1.2	.5	.5	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1926-1972 (OVER-ALL) 1855-1972

\$ 0

TABLE 1

AREA 0001 AZORES 38.0N 26.6W

PERCENT FREQUENCY	OF	WEATHER	DCCURRENCE	BY	WIND	DIRECTION

			р	RECIPI	TATIO	TYPE					OTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	DTHFR FRZN PCPN	HAIL	PCPN AT	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	
N NE	2.5	2.5	2.2	.0	.0	•0	:0	6.5	5.9	:0	1.2	:0	:0	:0	86.4
E	.7	2.7	2.9	.0	.0	• 0	.0	6.2	4.5	.4	1.8	.0	.9	.0	87.8
S E	2.5	1.6	2.2	.0	.0	.0	.0	5.9	4.2	.2	1.7	.0	1.1	.0	86.9
SW	3.1	3.9	3.8	.0	.0	.0	.0	10.8	5.3	.5	3.3	:1	.6		81.2
NW	2.3	4.4	2.6	.0	.0	•0	.0	9.0	6.5	.3	. 7	.0	.0		83.5
CALM	.0	.0	2.9	.0	.0	.0	.0	2.9	.0	.0	.0	2.9	.0		94.1
TOT PCT TOT Des:	2.3	2.7	2.5	.0	.0	•0	.0	7.5	4.4	.3	1.5	.1	.4	.0	85.7

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA		
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	BLWG	DUST SNOW	NO SIG WEA
00603 06609 12615 18621	2.9 2.0 2.0 2.5	2.6 2.4 2.9 2.8	3.5 2.1 2.4 2.2	.0	.0	•0	.0	9.1 6.5 6.9 7.4	4.1 4.2 5.6 3.7	.6	1.6 1.6 2.1	.1 .0 .1	.3 .7 .5		.0	84.9 86.8 85.1 86.1
TOT PCT	2.3	2.7	2.5	.0	.0	•0	.0	7.5	4.4	.3	1.5	.1	• 4		•0	85.7

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

				ED IKN									HILLIP	(GMT)			
WND DIR	0-3			22-33		48+	TOTAL	PCT	MEAN	00	03	06	09	12	15	18	21
N NE	.5	2.8	3.2	1.5	:1	.1		8.6	15.6	8.5	5.9	9.0	8.9	8.6	8.1	9.4	10.3
E	.5	4.3	4.7	1.4	. 2	.0		11.0	13.6	11.8	8.2		11.1	13.1	10.4		
SE	.3	4.3	5.2	1.6	.3			11.7	14.2	13.7	11.2		11.0	11.3		10.3	
S	.5	4.9	6.7	2.5	.5	.1		15.1	15.2	18.5	12.3	15.1		16.0			
SW	.4	4.6	7.6	3.0	.5	.1		16.2	15.9	14.6	18.1						
*	.4	4.5	6.0	3.0	1.3	.2		15.3	17.6	13.6	18.0		14.0		16.6		16.4
NW	.4	3.1	4.5	2.8	1.0	.1		11.9	17.8	9.8	15.0	12.3	16.7	10.6	12.3	10.9	12.8
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	1.6							1.6	.0	1.3	2.4	2.1	2.8	.4	2.7	.9	1.9
TOT OBS	208	1369	1811	729	187	25	4329		15.4	633	291	841	318	679	329	915	323
TOT PCT	4.8	31.6	41.6		4.3	.6		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

W	ND DIR	0-6	WIND 7-16	SPEED 17-27	(KNOTS) 28-40	41+	TOTAL	PCT	MEAN SPD	00	06 09	12 15	18 21
	N NE	1.6	3.5	2.5	:9	.2		8.6	15.6	7.7	9.0	8.5	9.0
		1.7	5.9	2.8	.7	.0		11.0	13.6	10.7	10.7	12.3	10.6
	E SE	1.8	6.0	3.0	.8	.1		11.7	14.2	12.9	12.8	11.0	10.3
	S	2.1	7.4	4.2	1.2	.2		15.1	15.2	16.6	14.2	15.6	14.6
	SW	2.0	7.1	5.6	1.3	. 2		16.2	15.9	15.7	15.3	15.1	18.4
	W	2.0	6.1	4.3	2.4	.5		15.3	17.6	15.0	15.3	15.8	14.9
	NW	1.4	4.7	3.7	1.7	.4		11.9	17.8	11.4	13.5	11.2	11.4
	VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
	CALM	1.6						1.6	.0	1.6	2.3	1.2	1.1
T	OT DBS	675	1960	1219	407	68	4329		15.4	924	1159	1008	1238
	OT DET			20 2	0 4	1 4		100 0		100 0	100.0	100 0	100.0

PERIOD: (PRIMARY) 1926-1972 (QVER-ALL) 1855-1972

TABLE 4

AREA 0001 AZORES 38.0N 26.6W

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

4.3 .3 15.3 100.0 4.3 .3 14.9 100.0 4.3 1.0 16.0 100.0 4.4 .6 15.3 100.0 187 75 15.4 4.3 .6 100.0

TABLE 5

TABLE 6

P	CT FRE			LOUD A		(EIGHTHS)							CEILIN NH <5/					
WND DIR	0~2	3-4	5-7	8 & 08500	TOTAL	CLOUD	000	150 299	300 599	999	1999	2000 3499	3500 4999	5000	6500 7999	8000+	NH <5/8	
N	.7	1.8	4.1	2.3		5.6	.1	.0	.2	1.6	2.1	1.0	. 3	.1			3.6	
NE	.7	1.7	4.3	2.3		5.7	.0	.0	.2	.6	2.0	1.9	.6	.2	.0		3.4	
E	1.8	2.9	5.0			5.3			.1	1.7	2.7	1.7	.3	.1			6.3	
SE	1.9	2.1	4.4	3.7		5.5	.0	.1	.4	1.1	2.4	1.6	. 4	.1	.0	*	6.0	
5	2.4	2.1	5.7	6.1		5.7			.4	2.0	4.1	1.7	.6	.2	.0	.2	7.2	
SW	2.2	2.3	6.2	4.4		5.6	.1		. 2	2.3	2.9	1.6	.9	.1	.1	.1	6.7	
	3.0	2.7	5.3	3.3		4.9	.1	.1	. 3	1.6	2.2	1	.5	.1	.0	.2	8.2	
NW	1.5	2.4	3.5	2.6		5.2	.0	.0	.5	1.0	1.6	1.0	.4		.0	*	5.5	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.2	2		.6		5.9	.0	.0	.0		.1	.4	.0	.0	.0		.4	
TOT OBS	326	410	867	643	2246		9	. 6	52	266	454	269	67	19	4	13	1067	2246
TOT PCT	14.5	18.3	38.6		100.0		.4	. 3	2.3	11.8	20.2	12.0	3.9	. 8	.2	.6	47.5	100.0

TABLE 7

CUMULATIVE	PCT FREQ	of.	SIMULTANFOUS	OCCURRENCE
me er	O HETCHT	/ A11	W AMA LALAK	COV (NH)

					VSBY (NM	1			
CE	ILING	- OR	• DR	- OR	· DR	. DR	· OR	- DR	. DR
	EET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
OR	>6500	.6	.7	.7	.7	.7	.7	.7	.7
DR	>5000	1.3	1.5	1.6	1.6	1.6	1.6	1.6	1.6
	>3500	4.3	5.2	5.4	5.5	5.5	5.5	5.5	5.5
OR	>2000	14.3	17.0	17.4	17.5	17.5	17.5	17.5	17.5
DR	>1000	30.7	37.0	37.7	37.8	37.8	37.8	37.8	37.8
OR	>600	38.0	48.1	49.5	49.6	49.6	49.6	49.6	49.6
OR	>300	39.2	50.1	51.8	51.9	51.9	51.9	51.9	51.9
OR	>150	39.3	50.2	52.0	52.2	52.2	52.2	52.2	52.2
DR	> 0	39.3	50.4	52.2	52.5	52.6	52.6	52.6	52.6
	TOTAL	894	1145	1187	1193	1194	1195	1195	1195

TOTAL NUMBER OF OBS: 2272 PCT FREQ NH <5/8: 47.4

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 DBSCD DBS 5.9 6.5 11.1 12.3 11.6 9.2 11.0 11.3 20.8 .2 2427

			R

								DEC	EMBER								
PERIOD:	(PRIMARY) 1 (OVER-ALL) 1	926-1972 855-1972						TA	BLE 8				ARE	A 0001	AZDR 38.0N	ES 26.6W	
			PI	ERCENT						VALUES				E OF			
	VSBY (NM)		N	NE	F	SF	s	SW	W	NW	VAR	CALM	PCT	TOTAL			
	<1/2	PCP NO PCP TOT %	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	:1				
	1/2<1	PCP ND PCP	:0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0				
		PCP	.0	.0			:	.1		•0	.0	.0	.3				
	1<2	NO PCP TOT %	.0	••	.0	••	••	.1	:1	.0	:0	.0	1.0				
	2<5	NO PCP	.1	.1	:1	.3	.1	.1	:3	.1	.0	•0	1.6				
	5<10	PCP NO PCP TOT %	1.7 1.9	1.1 1.3	1.8	2.0 2.5	3.1 3.6	1.0 3.3 4.3	2.5 3.2	1.7 2.2	.0	.0 .2 .2					
	10+	PCP NO PCP TOT &	6.5	7.0 7.2	10.2 10.5	9.1 9.2	11.4 11.7	10.4 10.9	.3 10.0 10.3	7.4 7.7	.0	1.0	2.3 73.0 75.4				
		TOT OBS	8.9	8.6	13.1	12.3	15.7	16.0	14.0	10.2	.0	1.2	100.0	2860			

TABLE 9 PERCENT FREO OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD	N	NE	E	SE	s	SW	W	NW	VAR	CALM	PCT	TOTAL
	0-3	.0	.0	.0	.0	.0		.0	.0	.0	*	.1	
<1/2	4-10		.0	.0	*	.0	.0	.0	.0	.0		.1	
	11-21	.0	.0	.0	.0	.0	*	*	.0	.0		*	
	22+	.0	.0	.0		.0		.0	.0	.0		.1	
	TOT %		.0	.0	.1	.0	.1	*	.0	.0	*	.2	
	0-3	.0	.0	.0	.0	.0		.0	.0	.0	.0		
1/2<1	4-10	.0	.0	.1	.0	.0	*	.0	.0	.0		.1	
	11-21	.0	.1		*	.0	.1	*	.0	.0		.2	
	22+	.0	.0	.0	*		.0	.0	.0	.0		.1	
	TOT \$.0	.1	•1	*	*	. 2		.0	.0	.0	.4	
	0-3	.0	.0	*	.0	.0	.0	.0	.0	.0	.0		
1<2	4-10	.0	.0		*	.0	.0	.0	.0	.0		.1	
	11-21	.0	.1	.0	.0	.0	.1	.1	.0	.0		.2	
	22+		.1	.0	.0	.1	.1	.1		.0		.3	
	TOT %		.1	.1	*	.1	.1	.1		.0	.0	.5	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	
2<5	4-10	.1	.1	.2	.1	*	*	.1	.1	.0		.7	
	11-21	*	.1	.1	.2	.2	.3	.2	.1	.0		1.3	
	22+	.1	.0	.1	.3	.2	.3	.2	.1	.0		1.4	
	TUT %	.3	. 2	.4	.6	.4	.7	.5	.3	.0	.1	3.4	
	0-3			.1				.1	.1	.0	.2	.5	
5<10	4-10	.4	.5	.7	.5	.8	.9	.5	.3	.0		4.6	
	11-21	.6	.6	.9	1.1	1.4	2.0	1.5	1.0	.0		9.1	
	22+	.7	.3	.6	. 8	1.3	1.4	1.3	1.2	.0		7.5	
	TOT \$	1.8	1.3	2.2	2.5	3.5	4.3	3.4	2.6	.0	.2	21.8	
	0-3	.4	.2	.3	.2	.5	.3	.2	.3	.0	1.2		
10+	4-10	2.3	2.9	3.7	3.7	3.9	3.8	3.6	2.4	.0		26.3	
	11-21	2.9	3.1	4.4	4.3	5.4	5.2	4.0	3.0	.0		32.4	
	22+	1.1	.8	1.1	.7	1.4	1.7	2.6	2.2	.0		11.5	
	TOT %	6.7	7.0	9.5	9.0	11.1	11.0	10.4	7.8	.0	1.2	73.7	
	OT OBS												3497
1	TOT PCT	8.9	8.7	12.2	12.2	15.1	16.3	14.4	10.7	.0	1.5	100.0	

PERIOD: (PRIMARY) 1926-1972 (OVER-ALL) 1855-1972

TABLE 10

AREA 0001 AZDRES 36.0N 26.6W

PERCENT FREQUENCY OF CEILING HFIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000	150 299	300 599	999	1000		3500 4999	5000 6499	6500	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL
00603	.4	.2	1.2	12.4	21.4	8.1	3.0	.7	.4	.2	48.0	52.0	565
06609	.2	.6	3.0	10.7	19.7	12.7	3.2	.6	.4	.6	51.7	48.3	497
12615	.3	.0	2.4	11.1	18.2	12.2	4.1	.9	.0	.9	50.2	49.8	658
18621	.6	.3	2.2	11.8	19.7	13.5	4.3	1.1	.0	.5	54.1	45.9	629
TOT	.4	.3	2.2	270	463	274	87 3.7	20	.2	13	1198	1151 49.0	2349

TABLE 11

TABLE 12

		PERCENT	FREQUEN	ICY VSBY	(NM)	RY HOUR		CUMULAT					VSBY (NM)	
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL
00603	.0	.1	.5	3.5	20.8	75.1	806	00803	.4	1.9	15.9	35.1	49.1	536
06609	.3	.6	.4	3.0	23.6	72.1	903	90300	•2	3.9	15.3	37.7	47.0	483
12815	.3	.5	.6	3.1	20.0	75.5	865	12815	.3	2.8	15.9	35.7	48.4	642
18621	.1	.5	.7	3.7	22.3	72.7	970	18621	.7	3.4	16.2	39.6	44.2	611
TOT PCT	.2	15	20	118	770	2614 73.8	3544 100.0	TOT PCT	9	68 3.0	360 15.8	841 37.0	1071 47.1	2272

TABLE 13

ARIE 14

					Т	ABLE 1	3									TABL	E 14				
		PERC	ENT FR	EQUENC	Y OF R	ELATIV	E HUMI	DITY B	Y TEMP	TOTAL	PCT		PERC	ENT FR	REQUENC	Y OF	IND DI	RECTIO	N BY	TEMP	
TE	MP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	OBS	FREQ	N	NE	E	SE	S	SW	W	NW	VAR	CALM
	0/74	.0	.0	.0	.1	.1	.2	.2		15	.6	*	.0	.1	.1	.2	*	.1	.1	.0	*
6	5/69	.0	.0	.1	.2	. 8	3.4	7.7	9.1	523	21.2	.5	.7	1.7	2.3	6.4	5.7	3.2	.7	.0	.1
6	0/64	.0	.0	.4	2.2	7.7	16.0	19.8	14.9	1506	61.0	3.6	6.0	10.2	9.4	9.0	8.9	8.1	4.9	.0	1.0
5	5/59	.0	.0	.0	.7	4.0	4.7	5.1	1.7	401	16.2	3.3	2.0	1.9	1.0	.4	1.0	2.3	4.2	.0	.2
5	0/54	.0	.0	.0	.0	.1	.3	.3	.2	23	. 9	.3	.1	.1	.0	.0	*	. 2	.2	.0	.0
1	DTAL	0	0	11	78	315	607	815	642	2468	100.0										
	PCT	.0	.0	.4	3.2	12.8	24.6	33.0	26.0			7.7	8.8	13.9	12.8	16.0	15.6	13.8	10.0	.0	1.4

TABLE 15

	MEANS,	EXTREME	S AND	PERCEN	TILES	OF TEN	P (DE	G F) B	Y HOUR
HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL
00803	70	68	66	62	57	54	51	61.5	922
90300	69	67	65	61	56	53	50	61.2	1155
12815	77	70	68	63	58	55	50	63.0	990
18621	74	69	67	62	57	55	50	62.3	1213
TOT	77	69	67	62	57	54	50	62.0	4280

	PERC	ENT FRE	QUENCY	OF RELA	TIVE H	UMIDITY	BY HOUR	1
HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
00603	.0	2.7	11.1	24.5	35.5	26.2	82	603
90300	.0	2.5	12.2	24.7	34.3	26.4	82	607
12615	.0	5.2	15.1	25.2	29.4	25.2	80	656
18621	.0	4.2	12.2	24.6	33.2	25.7	81	638
TOT	0	92	318	620	827	647	81	2504

PERIOD: (PRIMARY) 1926-1972 (OVER-ALL) 1855-1972

TABLE 17

AREA 0001 AZORES 38.0N 26.6W

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	49 52	53 56	57 60	61	65	69 72	73 76	тот	FOG	FOG
11/13	.0	.0	.0	.0	.0	.0	*	1	.0	
9/10	.0	.0	.0		.0		*	3	.0	.1
7/8	.0	.0	.1	.0	.2	.3	*	15	*	.5
6	.0	.0	.0	.0	. 2	.1	.0	8	.0	.5
5	.0	.0	.0	.1	.6	.1	.0	26	*	1.0
4	.0	.0	.0	.7	1.2	.1	.0	51	.1	2.0
3	.0	.0	.1	1.4	2.2	*	.0	94	.1	3.6
2	.0	*	.2	3.3	3.4	.2	.0	181	.1	7.0
1	.0	.0	.4	6.8	4.8		.0	306	.4	11.7
-1	.0	.1	1.5	9.9	2.8	.0	.0	364	.4	13.9
-1	.0	.0	2.5	11.1	1.9	.0	.0	394	.4	15.1
-2	.0	.1	4.6	7.0	.9	.0	.0	321	.1	12.5
-3	.0	.1	4.7	4.0	.5	.0	.0	238	.0	9.3
-4	.0	.4	4.2	2.8	.1	.0	.0	192	*	7.5
-5	.0	.6	2.9	1.4	.2	.0	.0	131	.0	5.1
-6	.0	. 5	2.1	.5	:	.0	.0	81	.0	3.2
-7/-8	.2	1.0	1.8	.5		.0	.0	89	.0	3.5
-9/-10	. 1	.4	.4	.1	.0	.0	.0	26	.0	1.0
-11/-13	.2	.4	.2		.0	.0	.0	20	.0	. 8
-14/-16		.1	.0	.0	.0	.0	.0	3	.0	. 1
TOTAL	12		655		489		3		42	2504
		93		1266		28		2546		
PCT	.5	3.7	25.7	49.7	19.2	1.1	.1	100.0	1.6	98.4

PERIOD: (OVER-ALL) 1963-1972

				PC	T FREO	OF WIND	SPEED	(KTS) AND DIREC	CTION V	ERSUS S	EA HEIG	HTS (FT)		
нет	1-3	4-10	11-21	N 22-33	34-47	48+	PCT	1-3	4-10	11-21	NE 22-33	34-47	48+	PCT
<1	.3	.2	.0	.0	.0	.0	.5	.1	.4	.0	.0	.0	.0	.5
1-2	.0	1.4	.4	.0	.0	.0	1.8	.0	1.6	.5	.0	.0	.0	2.1
3-4	.0	.7	.7	.0	.0	.0	1.4	.0	1.5	1.7	.1	.0	.0	3.2
5-6	.0	.1	.8	.0	.0	.0	.9	.0	.0	1.0	.1	.0	.0	1.1
7	.0	.1	.4	.5	.0	.0	1,0	.0	.1	.4	.3		.0	.9
8-9	.0	.0	.1	.1	.0	.0	.2	.0	.0	.1	.1	.0	.0	.2
10-11	.0	.0	.2	.0	.0	.0	.2	.0	.0	*	.3	.0	.0	.3
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1
13-16	.0	.0	.1	.2	.1	.0	,3	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	2.5	2.7	•7	• 1	.0	6.3	•1	3.6	3.7	1.0		•0	8.5
				E							SE			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.6	.0	.0	.0	.0	. 7	.0	1.0	.0	.0	.0	.0	1.0
1-2	.2	3.6	1.6	.0	.0	.0	5.4	.1	1.9	. 7	.0	.0	.0	2.7
3-4	.0	1.1	2.4	.4	.0	.0	3.9	•0	1.6	3.0	.1	.0	.0	4.7
5-6	.0	.3	2.0	. 8	.0	.0	3.1	.0	.2	3.0	.4	.1	.0	3.7
7	.0	.1	1.3	.9	.1	.0	2.3	.0	.1	.4	1.2	.0	.0	1.7
8-9	.0	.0	.2	.4	.0	.0	.6	.0	.1	.1	.4	.0	.0	.7
10-11	.0	.0	.2	.0	.0	.0	.2	.0	.0		.2	.0	.0	.3
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1
13-16	.0	.0	.0	.2	.0	.0	.2	.0	.0	.0	.0	.2	*	. 3
17-19	.0	.0	.0	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.1	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	5.7	7.7	2.8	.3	.0	16.7	•1	4.9	7.3	2.5	.3		15.1

									DECEM	BER							
PERIOD:	COVE	R-ALL)	1963-1	1972				****						AREA	0001		
								TABLE	18 (CONT					38,	ON 20	.6W
				Pr	T FREQ OF	UTNO	SPEED	(KTS)	AND	nterr	TION	VERSIIS	SEA HETG	HTS IFT	1		
							3, 550		-140	DINEC		· Engos					
				S									SW				
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT			1-3	4-10		22-33	34-47	48+	PCT	
<1	.3	.4	.1	.0	.0	.0	. 8			. 2	.6		.0	.0	.0	.7	
1-2	.2	1.8	1.5	.0	.0	.0	3.5			*	3.3		.0	.0	.0	4.1	
3-4	.1	1.2	3.2	.4	.0	.0	5.0			.0	1.5		.2	.0	.0	4.1	
5-6	.0	. 8	1.7	.7	.0	.0	3.2			.0	.5		1.1	.0	.0	4.2	
7	.0	.0	.8	1.0	.0	.1	1.9			.0	.1		.3	.0		1.7	
8-9	.0	.0	.5	.6	.1	.0	1.2			.0	.0		.3	.0	.0	1.0	
10-11	.0	.0	.0	.2	.1	.0	.3			.0	.0		.0		.0		
12	.0	.0	.0	.2	.3	.0	.4			.0	.0		.1		.0	.1	
13-16	.0	.0	.0	.3	. 2	.2	.7			.0	.0		.1	.0	.0	.1	
17-19	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.1	.1	
20-22	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
23-25	.0	.0	.0	.2	.0	.0	.2			.0	.0			.1	.0	.1	
26-32	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
71-86	.0	.0	.0	.0	• 0	.0	.0			.0	.0		.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
TOT PCT	.5	4.3	7.8	3.6	.7	.3	17.1			• 2	6.0	7.5	2.2	• 2	•1	16.2	
													NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT			1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.1	.4	.0	.0	.0	.0	.5			.1		.1	.0	.0	.0	.2	
1-2	.0	1.3	.7	.0	.0	.0	2.0			.0	1.3	.9	.0	.0	.0	2.2	
3-4	.1	1.1	2.1	.1	.0	.0	3.3			.0	.6		.0	.0	.0	1.1	
5-6	.0	.6	1.4	.3	.1	.0	2.3			.0	.2		.2	*	.0	1.0	
7	.0	.1	. 8	1.0	.0	.0	1.9			.0	.0	.7	.6	.0	.0	1.3	
8-9	.0	.0	.3	.1	.0	.0	.4			.0	.0	.3	.1	.0	.0	.5	
10-11	.0	.0	.2	.3	.2	.0	.7			.0	.0	.1	.0	.0	.0	.1	
12	.0	.0	.0	.0	.0	.0	.0			.0	.0		.2	.1	.0	.3	
13-16	.0	.0	.0	.1	.3	.0	.4			.0	.0		.1	.3	.0	.4	
17-19	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.1	.0	.1	
20-22	.0	.0	.0	.0	.0	.0	0			.0	.0		.0	.0	.0	.0	
23-25	.0	.0	.0	.0	•1	.0	.1			.0	.0	.0	.0	.0	.0	• 0	
26-32	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	. 7	.0	
61-70	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	1.00	.0	
71-86	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	• •	.0	
87+	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
TOT PCT	• 2	3.5	5.4	1.8	.7	.0	11.6			•1	2.1	3.3	1.2	.6	•0	7.2	98.8

	MIND	SPEFD	(KTS)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	2.7	3.9	.2	.0	.0	.0	6.8	-
1-2	.6	16.4	6.9	.0	.0	.0	23.9	
3-4	• 2	9.2	15.7	1.2	.0	.0	26.4	
5-6	• 0	2.7	12.9	3.5	.2	.0	19.3	
7	•0	.6	6.0	5.8	.1	.1	12.5	
8-9	.0	.1	2.3	2.2	.1	.0	4.6	
10-11	•0	.0	.7	1.0	.3	.0	2.1	
12	•0	.0	.0	.6	.4	.0	1.0	
13-16	•0	.0	.1	.9	1.1	. 2	2.4	
17-19	.0	.0	.0	.0	.3	.1	.4	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	•0	.0	.0	.2	.2	.0	.4	
26-32	.0	.0	.0	.1	.0	.0	.1	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								973
TOT PCT	3.5	33.0	44.8	15.5	2.8	.4	100.0	

PERIO	D: (3/	ER-ALL	1 194	9-1972					TABLE	19											
					PERCEN	FRE	QUENCY	OF WAY	VE HEI	HT (F	T) VS	MAVE PI	RIDD	SECON	DS)						
PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
	1.0	6.7	10.9	6.0	2.0	1.1	.2	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	548	4
6-7	.0	.8	5.4	8.4	5.3	2.3	2.2	.8	.7	.0	.0	.1	.2	.0	.0	.0	.0	.0	.0	508	6
8-9	.0	.5	1.3	2.5	3.4	3.0	1.7	1.2	1.5	.1	-	.0	.1	.0	.0	.0	.0	.0	.0	303	8
10-11	.0	.2	.3	1.1	1.5	2.4	1.2	.8	1.8	. 7	.1	.1	.4	.0	.0	.0	.0	.0	.0	206	10
12-13	.0	.0	. 8	.3	. 4	.3	.6	.7	.7	.2	.1	. 2	.2	.0	.0	.0	.0	.0	.0	84	10
>13	.0	.0	.0	.1	.5	.4	.2	. 2	.2	.1	.1	. 2	.1	.0	.0	.0	.0	.0	.0	35	11
INDET	1.5	1.6	3.6	1.8	2.4	1.1	.8	•1	.6	.1		.0	.0	.0	.0	.0	.0	.0	.0	264	5
TOTAL	49	191	435	395	300	206	133	76		20		8	18	0	0	0	0	0	0	1948	6
PCT	2.5	9.8	22.3	20.3	15.4	10.6		3.9		1.0		.4	.9	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1926-1973 (DVER-ALL) 1855-1973

TABLE 1

AREA 0001 AZDRES 38.0N 26.7W

PERCENT	FREQUENCY	OF	WEATHER	DECURRENCE	BY	WIND	DIRECTION
---------	-----------	----	---------	------------	----	------	-----------

			P	RECIPI	TATIO	N TYPE					STHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN	DRZL	FR7G PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNUW	
N NE	1.7	2.1	1.7	:0	.0	.0	:0	5.3	4.5	:1	.9	.0	.4	.1	88.7
SE.	3.4	1.7	2.1	.0	.0	•0	.0	5.6	3.5	.1	1.1	.0	1.1	.1	89.2
SW	3.4	2.4	2.7	.0	.0	•0	.0	7.8 8.3	4.2	.5	1.3	*	1.4	.1	84.9
NH VAR	1.7	2.2	1.6	.0	.0	•0	.1	5.6	4.8	.6	1.2	•1	1.4	:	85.9
CALM	.7	.1	1.1	.0	:0	•0	.0	1.9	1.1	.1	1.4	.3	2.0	.0	93.2
TOT PCT	32873	2.0	2.1	.0	.0	.0		6,3	4.3	.4	1.0		1.0		86.9

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			,	RECIPI	TATIO	N TYPE					DTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNDW	DTHER FRZN PCPN	HAIL	PCPN AT	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR		SPRAY BLWG DUST BLWG SNOW	ND SIG WEA
00603 06609 12615 18621	2.4 2.7 2.2 2.2	1.9 2.2 2.0 2.0	2.3 2.6 1.7 1.6	.0	.0	.0	.0	6.5 7.3 5.8 5.7	4.5 4.8 4.2 3.7	.7 .6 *	.7 1.2 1.1 1.2	:	.9 .9 1.1 1.2	:	86.8 85.1 87.8 88.1
TOT PCT	33504	2.0	2.0	.0	.0	•0		6.3	4.3	.4	1.1		1.0		87.0

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

				ED (KN									HOUR	(GMT)			
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	FREQ	MEAN	00	03	06	09	12	15	18	21
N NE	.8	4.8	4.4	1.2	.3	:		11.5	13.3	11.7	11.1			11.0		11.1	11.8
E SE	.7	4.4	3.5	.7	.1	*		9.4	11.6	9.3	9.2					9.6	9.0
S	.7	4.2	3.1	1.6	.1	:		8.0	11.9	12.4	7.7			12.2		8.3	7.9
SW	.7	5.4	6.7	2.6	.5	*		15.9	14.2	15.5	16.5	16.0	16.0	16.1	16.2		
NW	.7	5.0	5.0	2.0	.6	•1		16.2	14.6	16.4	15.8		15.7	17.0		16.0	15.3
CALM	3.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT OBS							49320	3.0	13.1	3.3 7689	3.5	9985	3.8	8102		10562	3.7
TOT PCT	8.7	38.3	38.1	12.3	2.4	.2		100.0		100.0	100.0	100.0			100.0		100.0

T	A	0	=	2	٨

WND DIR	0-6	WIND 7-16	SPEED 17-27		41+	TOTAL	PCT	MEAN SPD	00	HDU 06 09	R (GMT 12 15	18 21
N NE	2.7	5.7	2.5	.6	•1		11.5	13.3	11.6	11.9	11.3	11.3
E SE	2.5	5.0	1.6	.3	:		9.4	11.6	9.3	8.8	9.9	9.5
S	2.2	5.6	3.0	.7	.1		11.6	11.9	8.1	7.6	12.0	8.2
S	3.1	7.5	4.4	1.2	.1		15.9	14.2	15.8	16.0	16.2	15.5
VAR	2.7	6.1	3.2	1.1	.2		13.2	14.4	13.1	13.5	12.8	13.6
TOT DBS	3.0					49320	3.0	.0	3.3	3.8	2.1	2.9
TOT PCT	23.3	47.4	22.6	6.0	.7	47520	100.0	13.1	10727	13239		13862

PERIOD: (PRIMARY) 1926-1973 (OVER-ALL) 1855-1973

TABLE 4

AREA 0001 AZORES 38.0N 26.7W

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

				WIND	SPEED (KNOTS)			PCT	TOTAL
HOUR	CALM	1-3	4-10			34-47	48+	MEAN	FREQ	OBS
60300	3.3	5.5	38.2	38.4	11.7	2.5	.2	13.0	100.0	10727
06609	3.8	6.1	40.0	36.3	11.5	2.1	.2	12.6	100.0	13239
12615	2.1	5.5	37.1	39.8	12.7	2.5	.3	13.5	100.0	11492
18821	2.9	5.5	37.6	38.1	13.1	2.6	.2	13.3	100.0	13862
TOT								13.1		49320
PCT	3.0	5.7	38 3	38.1	12.3	2.4	. 2		100.0	

TABLE 5

P	CT FRE			D DIREC		EIGHTHS)			PERCEN	AND DO	REQUEN	CE OF	CEILIN NH <5/	B BY W	IND DI	RECTIO)4/8)]N	
WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL DBS	MEAN CLOUD COVER	000 149	150 299	300 599	600 999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	
N	2.2	2.7	4.2			4.9	.1		.2	1.1	1.9	1.1	.3	.1	*		6.2	
NE	2.1	2.4	4.2	2.4		5.1	*	*	. 2	1.0	2.2	1.2	.4	. 1	*	. 1	6.0	
E	1.9	2.0	3.6	2.5		5.2	*	*	.2	1.0	1.8	1.1	.4	. 1	*	*	5.2	
SE	1.6	1.3	2.8	2.2		5.1	*	*	.2	. 9	1.4	. 8	. 3	. 1	*	*	4.1	
S	2.3	2.0	3.9	3.8		5.2	.1	.1	.4	1.3	2.1	1.1	.4	.1	*	. 1	6.3	
SW	3.1	2.8	5.2	4.5		5.1	.1	.1	.4	1.9	2.6	1.2	.5	. 2	.1	.1	8.4	
W	3.9	3.7	5.7	3.8		4.8	.1	.1	.4	1.8	2.7	1.2	.5	. 1	*	.1	10.0	
NW	2.4	3.2	4.5	2.4		4.8		*	.3	1.1	2.1	1.1	.4	. 1	*	*	7.2	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	1.1	.5	.5	. 4		4.0	*	*	*	.2	.2	.1	*	*		*	1.8	
TOT OBS					26852	5.0												26852
TOT PCT	20.5	20.5	34.6	24.4	100.0		.5	.4	2.3	10.3	17.1	9.1	3.2	1.0	.3	.5	55.2	100.0

TABLE 7

CUMULATIVE	POT	FRFO	DF	SIMULT	ANFOUS	CCURRENCE	Ė
OF CETLIN							

					VSBY (NM)			
	CEILING	= DR	= DR	= DR	= DR	= DR	= DR	= OR	= DR
	(FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
	DR >6500	.7	.8	.9	.9	.9	.9	.9	.9
=	DR >5000	1.4	1.8	1.8	1.8	1.8	1.8	1.8	1.8
=	DR >3500	3.9	4.9	5.1	5.1	5.1	5.1	5.1	5.1
=	DR >2000	11.2	13.8	14.1	14.2	14.2	14.2	14.2	14.2
=	OR >1000	24.0	30.2	31.0	31.1	31.1	31.2	31.2	31.2
=	DR >500	30.7	39.8	41.2	41.4	41.4	41.4	41.4	41.4
=	DR >300	31.7	41.7	+3.4	43.6	43.7	43.7	43.7	43.7
=	DR >150	31.8	42.0	43.8	44.0	44.1	44.1	44.1	44.2
	OR > 0	32.0	42.3	44.2	44.5	44.6	44.6	44.7	44.7

TOTAL NUMBER OF OBS: 27224 PCT FREQ NH <5/8: 55.3

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 0BSCD 0BS 7.3 10.2 13.5 13.1 10.8 7.9 9.9 9.5 17.4 .3 28957

PERIOD:	(PRIMARY)	1926-1973
	(DVER-ALL)	1855-1973

TABLE 8

AREA 0001 AZORES 38.0N 26.7W

SBY		N	NE	E	SF	5	SW	W	NW	VAR	CALM	PCT	TOTAL
(NM)													DBS
	PCP	*	:	:		*	*	:	:	.0	.0	• 1	
<1/2	NO PCP							*		.0	*	• 1	
	TOT %						*	*	*	.0	*	.1	
	PCP	.0					:1			.0	.0	.1	
1/24		*		:	:	:1	.1	:1	*	.0	*	.3	
	TOT %		*	*	*	.1	.1	.1	*	.0	*	.4	
	PCP			:	*	:	•1			.0	*	• 2	
1<2	NO PCP	*	*	*	*			*	*	.0	*	.2	
	TOT %	*			*	.1	.1	.1	*	.0	*	.4	
	PCP	.1	.1	:1	.1	.2	.3	.1	.1	.0	*	1.1	
2<5	NO PCP	. 1	.1	.1	.1	.3	.3	.3	.2	.0	*	1.5	
	TOT %	• 2	• 1	.2	.3	.5	.6	.5	.3	.0	*	2.6	
	PCP	.3	.2	.3	.3	.5	.8	.6	.4	.0	*	3.3	
5<10	NO PCP	1.7	1.4	1.4	1.3	2.2	3.2	2.8	2.0	.0	.2	16.1	
	TOT %	2.0	1.6	1.7	1.5	2.7	4.0	3.4	2.3	.0	.2	19.4	
	PCP	.2	.1	.1	. 1	.2	.3	.3	.2	.0	*	1.6	
10+	NO PCP	8.9	8.9	7.8	5.8	8.5	10.9	12.7	9.9	.0	2.1	75.5	
	TOT %	9.1	9.1	8.0	6.0	8.7	11.2	12.9	10.1	•0	2.1	77.1	
	TOT DBS												32812
	TOT PCT	11.3	10.9	9.9	7.9	12.0	16.0	16.9	12.8	.0	2.4	100.0	

TABLE 9

									I VS WI		ED		
VSBY (NM)	SPD KTS	N	NE	E	SE	s	SW	W	NW	VAR	CALM	PCT	TOTAL
	0-3	*	*	*	*	*	*	.0	.0	.0	*	*	
<1/2	4-10	*	*	*	*	*	*	*	*	.0		.1	
	11-21	*	*	*	*	*	*	*		.0		*	
	22+	*	.0	.0	*	*	*	*	*	.0		*	
	TOT %	*	*	*	*	*	*	*	*	.0	*	.2	
	0-3	*	.0	.0	.0	.0	*	*		.0	*	*	
1/2<1	4-10	*	*	*	*	*	*	*	*	.0		.1	
	11-21	*	*	*	*	.1	*	*	*	.0		.2	
	22+	*	*	*	*	.1	*	*	*	.0		.1	
	TOT %	*		*	*	.1	.1	.1	*	.0	*	.4	
	0-3		.0	*	.0	*	*	*	*	.0	*		
1<2	4-10	*	*	*	*	*	*	*	*	.0		.1	
	11-21			*	*	*	.1	.1	*	.0		. 2	
	22+	*	*	*	*	.1	.1	*	*	.0		. 2	
	TOT %	*	*	*	*	.1	.1	.1	*	.0	*	.6	
	0-3			*		*		*		.0	.1	.1	
2<5	4-10	.1	.1	.1	. 1	.1	.1	.1	.1	.0		.6	
	11-21	.1	. 1	.1	. 1	.2	.3	.2	.1	.0		1.1	
	22+	.1	*	.1	. 1	.2	.3	.2	.1	.0		1.1	
	TOT %	• 2	• 2	.2	.3	.5	.7	.5	.3	.0	.1	3.0	
	0-3	.1	.1	.1	.1	.1	.1	.1	.1	.0	.3	1.0	
5<10	4-10	.7	.0	.6	.4	.6	. 9	. 8	. 8	.0		5.5	
	11-21	. 8	.7	.7	.7	1.2	1.7	1.4	.9	.0		8.0	
	22+	.4	.3	.3	.4	. 8	1.2	1.0	.7	.0		5.1	
	TOT %	2.0	1.7	1.7	1.6	2.6	4.0	3.4	2.5	.0	.3	19.6	
	0-3	.6	.5	.6	.4	.5	.6	. 7	.5	.0	2.4	6.8	
10+	4-10	3.9	4.2	3.7	3.0	3.4	4.1	4.7	4.0	.0		31.1	
	11-21	3.6	3.6	2.9	2.2	3.6	4.8	5.1	4.1	.0		30.0	
	22+	.9	.7	.5	.4	.9	1.5	2.0	1.5	.0		8.4	
	TOT %	9.1	9.0	7.7	6.0	8.4	10.9	12.5	10.2	.0	2.4	76.3	
	OT OBS												40091
T	OT PCT	11.4	11.0	9.6	8.0	11.8	15.8	16.6	13.1	.0	2.8	100.0	

PERIOD: (PRIMARY) 1926-1973 (UVER-ALL) 1855-1973

TABLE 10

AREA 0001 AZORES 38.0N 26.7W

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	149	150 299	300 599	999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL
00803	.6	.4	1.7	8.9	16.0	7.7	2.7	.8	.3	.7	39.6	60.2	6659
06609	.6	.6	2.4	11.4	17.4	9.3	2.9	1.1	.2	.6	46.4	53.6	6405
12615	.6	.4	2,3	10.1	16.9	9.4	3.5	.9	.3	.5	45.0	55.0	7608
18621	.3	.3	2.5	9.4	15.9	9.2	3.3	.9	.3	.5	42.6	57.4	7437
TOT	.5	. 4	2.2	10.0	16.5	8.9	3.2	. 9	.3	.5	43.5	56.5	28109

TABLE 11

TABLE 12

		PERCENT	FREQUEN	CY VSBY	(NM)	BY HOUR		CUMULAT					VSBY (NM)	
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL
00803	.1	.2	.4	2.6	18.9	77.7	9351	00603	.7	2.9	13.3	28.6	58.1	6358
06609	.2	.4	.6	3.1	21.4	74.2	10356	90300	.6	3.8	16.8	31.3	51.9	6181
12815	•2	.4	.6	2.8	17.4	78.5	10029	12815	.6	3.4	15.2	31.0	53.8	7436
18821	•1	.5	.6	3.5	20.4	74.9	10994	18821	.3	3.3	14.2	29.8	56.0	7249
TOT	.2	. 4	.5	3.0	19.6	76.3	40730	TOT	.5	3.3	14.9	30.2	54.9	27224

ABLE 13

TABLE 14

				TA	ABLE 13	3									TABL	E 14				
	PERCE	NT FR	EQUENCY	Y OF RE	LATIVE	HUMI	OITY B	TEMP	TOTAL	PCT		PERC	ENT FR	EQUENC	Y OF W	IND DI	RECTIO	N BY T	EMP	
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100		FREQ	N	NE	E	SE	S	SW	W	NW	VAR	CALM
85/89	.0	.0	*	.0	*		.0	.0			*			.0	*	*		.0	.0	.0
80/84	.0	*	*	.1	.2	.2	.1	*		.6	.1	. 2	. 1	*	*	.1	.1	.1	.0	
75/79	.0			. 2	.8	1.7	1.5	.6		4.8	.4	.5	.5	.3	.6	1.0	.9	.5	.0	.2
70/74	.0	*			2.6		6.7	4.7		19.8	2.2	2.4	2.1	1.5	2.1	3.3	3.4	2.2	.0	. 8
65/69	.0	*	.1	.7	2.7	5.9	8.1	6.2		23.7	2.9	2.8	2.3	1.7	3.1	3.6	3.6	2.9	.0	.6
60/64	.0		.1	1.1	5.0	8.7	11.7	8.3		35.0	3.3	3.3	3.4	3.4	5.1	6.6	5.7	3.7	.0	.5
55/59	.0	.0	*	.7	2.8	4.5	4.3	2.3		14.7	2.1	1.8	1.4	.9	1.1	1.5	2.8	3.0	.0	. 2
50/54	.0	.0	*	.1	.2	.3	. 4	. 2		1.4	.3	.1	. 1	*	*	.1	.4	.4	.0	*
45/49	.0	.0	.0	.0	.0	*	*			*	*	*	.0	.0	.0	*	*	*	.0	.0
TOTAL									27833	100.0										
PCT	.0		.3	3.4	14.4	26.7	32.9	22.4			11.1	11.0	9.8	7.8	12.0	16.2	16.9	12.8	.0	2.4

TABLE 15

				1 40	FF 12													
	MEANS,	EXTREM	ES AND	PERCEN	TILES	OF TE	MP (DE	G F) 8	Y HOUR		PERC	ENT FRE	QUENCY	OF RELA	TIVE H	YTICIMU	BY HOUR	2
HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL	HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
00203		70 70	69	64	60 59	57 57	48	63.9	10760	60300 00409	.0	2.3	11.4	25.1	35.2	26.0	82	6839
12815	88	75	72	66	61	58	49	66.0	11307	12615	.0	5.7	17.4	28.1	30.4	18.5	78 79	7291
18621	89	74	71	65	60	58 57	48	64.8	13620	18621 TOT	.0	1067	4090	7531	9325	6327	80	28340

PERIOD: (PRIMARY)	1926-1973		AREA 0001 AZORES
(OVER-ALL)	1855-1973	TABLE 17	38.0N 26.7W

.4 3.9 19.0 28.1 19.6 17.2 9.4 1.9

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F) 69 AIR-SEA TMP DIF 65 45 49 52 53 56 57 60 FOG FOG 17/19 14/16 11/13 9/10 7/8 6 5 4 3 2 1 0 -1 -2 -3 -4 -5 -6 -7/-8 -9/-10 -11/-13 .0 .0 .0 .0 .2 .2 .2 .2 .2 .3 .4 .2 .2 .3 .4 .2 .7 .6 .2 .7 .0 .0 * 1.1 .3 .6 3.2 4.1 5.1 1.9 1.5 1.0 3.1 1.9 1.5 1.5 * 1 .1 .3 .2 .3 .3 .2 .2 .1 .1 * * * * .0 .0 .0 .0 .0 .0 .0 1 12 75 177 364 320 567 1040 1491 2642 3376 4068 33593 2544 1936 1276 720 664 228 94 10 29899

100.0 1.1

98.9

.4

PERIOD: (OVER-ALL) 1963-1973

PCT

*

HGT 1-3 4-10 11-21 22-33 34-47 48+ PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT					PC	T FREQ	OF WIND	SPEED	(KTS)	AND	DIREC	TION V	ERSUS S	EA HEIG	HTS (FT)		
\$\begin{array}{c c c c c c c c c c c c c c c c c c c	HGT	1-3	4-10	11-21	N 22-33	34-47	48+	PCT			1-3	4-10	11-21	NE 22-33	34-47	48+	PCT
1-2								9									
3-4								3.2				2.8				.0	
5-6																	
7																	
8-9					. 3												
10-11																	
12		.0															
13-16																	
17-19																	
20-22																	
23-25 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0																	
26-32 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0																	
33-40																	
41-48 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0																	
49-60 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0																	
61-70																	
71-86																	
##																	
TOT PCT .4 4.2 4.7 1.2 .2 * 10.7 .4 5.3 4.4 1.1 .1 .0 11.4 HGT 1-3 4-10 11-21 E 22-33 34-47 48+ PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT (1 .3 .7 * .0 .0 .0 .0 1.1 .2 .6 * .0 .0 .0 .0 .8 1-2 .1 2.4 .8 .0 .0 .0 .0 3.3 .1 1.6 .5 .0 .0 .0 .0 2.1 3-4 * 1.1 1.7 .1 .0 .0 2.9 * .7 1.4 .1 .0 .0 2.1 3-4 * 1.1 1.7 .1 .0 .0 .0 2.9 * .7 1.4 .1 .0 .0 2.1 7 .0 .1 .9 .2 * .0 1.3 7 .0 .1 .9 .2 * .0 1.3 .0 .1 .9 .2 * .0 .1 .3 .0 .1 .9 .2 * .0 .0 .1 .3 .2 * .0 .0 .2 .1 .3 .1 .0 .1 .9 .2 * .0 .0 .2 .1 .3 .0 .1 .9 .2 * .0 .0 .2 .1 .3 .0 .1 .9 .2 * .0 .2 .1 .3 .0 .1 .9 .2 * .0 .2 .1 .3 .0 .1 .9 .2 * .0 .2 .1 .3 .0 .1 .9 .2 * .0 .2 .1 .3 .0 .1 .9 .2 * .0 .2 .1 .3 .0 .1 .9 .2 * .0 .2 .1 .3 .0 .1 .9 .2 * .0 .2 .1 .3 .0 .1 .9 .2 * .0 .2 .1 .3 .0 .0 * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0																	
HGT 1-3 4-10 11-21 E 22-33 34-47 48+ PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT (1 .3 .7 * .0 .0 .0 .1.1 .2 .6 * .0 .0 .0 .0 .8 1-2 .1 2.4 .8 .0 .0 .0 .3,3 .1 1 6 .5 .0 .0 .0 .0 2.1 5-6 * .1 1 1.7 .1 .0 .0 2.9 * .7 1.4 .1 .0 .0 2.1 5-6 * .1 .9 .2 * .0 1.3 .0 .1 .9 .2 * .0 1.3 .7 .0 .1 .9 .2 * .0 1.3 .7 .0 .1 .9 .2 * .0 1.3 .0 .1 .9 .2 * .0 1.3 .7 .0 .1 .3 .2 * .7 .0 .1 .3 .2 * .7 .0 .1 .3 .2 * .7 .0 .1 .3 .2 * .7 .0 .1 .3 .2 * .7 .0 .1 .3 .2 * .7 .0 .1 .3 .2 * .7 .0 .1 .3 .2 * .7 .0 .1 .3 .2 * .7 .0 .1 .3 .2 * .0 .1 .3 .0 .1 .9 .2 * .0 .1 .3 .2 * .7 .0 .1 .3 .2 * .0 .2 .1 .3 .2 * .0 .3 .0 .1 .9 .2 * .0 .1 .3 .2 * .0 .3 .1 .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0								10.7									
61 .3 .7 * .0 .0 .0 1.1 .2 .6 * .0 .0 .0 .2 .1 1.6 .5 .0 .0 .0 .2 .1 1.6 .5 .0 .0 .0 .0 .2 .0 .0 .2 .0 .0 .2 .0 .0 .0 .1 .0 .0 .2 .0 .0 .0 .1 .9 .2 * .0 .1 .9 .2 * .0 .1 .9 .2 * .0 .1 .9 .2 * .0 .1 .9 .2 * .0 .1 .9 .2 * .0 .1 .9 .2 * .0 .1 .9 .2 * .0 .1 .9 .2 * .0 .1 .3 .2 * .0 .1 .3 .2 * * .0						• • •					•				••		
61 .3 .7 * .0 .0 .0 1.1 .2 .6 * .0 .0 .0 .2 .1 1.6 .5 .0 .0 .0 .2 .1 1.6 .5 .0 .0 .0 .0 .2 .0 .0 .2 .0 .0 .2 .0 .0 .0 .1 .0 .0 .2 .0 .0 .0 .1 .9 .2 * .0 .1 .9 .2 * .0 .1 .9 .2 * .0 .1 .9 .2 * .0 .1 .9 .2 * .0 .1 .9 .2 * .0 .1 .9 .2 * .0 .1 .9 .2 * .0 .1 .9 .2 * .0 .1 .3 .2 * .0 .1 .3 .2 * * .0	HCT	1-2	4-10	11-21	E	34-47		DCT			1-2	4-10	11-21	32-33	34-47	484	DCT
1-2														22-33			
3-4																	
5-6																	
7																	
8-9																	
10-11 0 0 0 0 1 1 0 0 0 0 1 0 0 0 1 0 0 0 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0								.,									
12								.,									
13-16																	
17-19 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0																	
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26-32																	
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49-60																	
61-70 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0																	
71-86 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0																	
87+ .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0																	
	TOT PCT	. 5										3-1					

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	WIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	5.1	5.2	.4	.0	.0	.0	10.6	000
1-2	1.1	18.1	6.9	.0	.0	.0	26.0	
3-4	.2	9.4	15.3	1.6	.0	.0	26.6	
5-6	*	2.0	11.4	3.2	.1	.0	16.8	
7	*	.3	5.1	3.6	.3	*	9.4	
8-9	*	.1	1.7	2.4	.4	*	4.6	
10-11	.0	*	.5	1.7	.4	*	2.6	
12	•0	*	.1	.7	.3	.0	1.1	
13-16	•0	.0	.1	.8	.5	*	1.5	
17-19	.0	.0	*	.1	.2	*	.3	
20-22	•0	.0	.0	*	.1	*	.2	
23-25	.0	.0	.0	*	.1	*	.1	
26-32	.0	.0	.0		. 1	*	.1	
33-40	•0	.0	.0	.0	.0	.0	.0	
41-48	•0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	•0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								11947
TOT DCT	6.5	25.2	41.6	14.1	2.5	2	100.0	

PERIO): (QV	ER-ALL) 194	9-197	3				TABLE	19											
					PERCENT	FRE	QUENCY I	OF WA	VE HEIG	HT (FI	r) vs	WAVE P	ERIOD	SECON	DS)						
PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN
66 6-7	2.5	9.7	12.2	5.8	1.9	2.3	1.2	•1		.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	7706 5742	3 6
8-9	.0	.5	1.5	3.2	3.7	2.6		• 7	.9	.1	.1	•1	.1	•0	.0	.0			.0	3566 1819	8
12-13	.0	.0	.4	.4	.4	.4	.5	.4	.4	.1	.1	.1	.1		.0	.0	.0	.0	.0	774	10
>13 INDET TOTAL	3.3	2.1	2.5	2.0	1.6	.9	.7	• 2	.3	.1	:1	:	*1	*	.0	.0	.0	.0	.0	360 3267 23234	5
PCT	6.0	13.8	22.7	20.8	13.6	8.8	5.7	3.0	3.6	.7	.6	.3	.3		.0	.0	.0	.0	.0	100.0	

ALL) 1855-1	973					TABL	E 20						38.0	26.7
			PERCE	NT FRE	QUENCY	OF 00	CURREN	CE UF	SEA TE	MP (DE	G F) B	Y MONT	н	
SEA THP DEG F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	пст	NDV	DEC	ANN	PCT
96+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
95/96	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
93/94	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
91/92	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
89/90	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
87/88	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
85/86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
83/84	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
81/82	.0	.0	.0	.0	.0	.0	*	.2	.0	.0	.0	.0	6	*
79/80	.0	.0	.0	.0	.0	.1	.3	1.0	. 5	.1	.0	.0	64	.1
77/78	.0	.0	.0	.0	.0	.1	1.5	4.6	3.1	.4	.1	.0	328	.7
75/76	.0	.0	.0	.0		.3	4.7	17.1	10.3	1.4	.2	*	1150	2.5
73/74	*	.0	.0	.1	.1	1.7	14.1	38.3	34.5	7.5	.3	.0	3295	7.2
71/72	.0	.0	.1		.3	4.1	28.7	28.5	32.2	19.5	2.3	.3	4028	8.8
69/70	.1		.2	.3	.9	14.4	29.8	R.1	14.8	31.8	8.7	.9	3961	8.7
67/68	. 8	.4	.5	.8	3.9	25.4	15.8	2.0	3.7	25.1	25.4	4.5	4050	8.9
65/66	4.4	1.6	1.4	3.4	13.6	27.9	4.1	.2	.6	11.2	32.7	15.7	4488	9.8
63/64	23.0	9.7	8.4	16.9	41.1	19.0	.8	.2	.2	2.5	23.5	40.7	7279	15.9
61/62	40.0	32.2	25.2	34.4	27.7	5.8	.1	.0	.1	.4	5.4	28.0	7976	17.5
59/60	24.9	39.9	42.0	32.2	10.7	1.0	*	.0	.0	.1	1.2	8.4	6527	14.3
57/58	5.1	13.2	18.7	10.2	1.5	.2	.0	.0	.0	.0	.2	1.2	2064	4.5
55/56	1.1	2.2	2.7	1.8	.1		.0	.0	.0	*	*	.1	335	.7
53/54	.5	.4	.5	.1	.0	.0	.0	.0	.0	.0	*	.1	66	.1
51/52	*	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	26	.1
49/50	.0	*	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	*
47/48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
45/46	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
43/44	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	ő	.0
41/42	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	ő	.0
39/40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
37/38	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
35/36	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
33/34	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		0	.0
31/32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
29/30	.0	.0	.0	.0	.0	.0		.0	.0	.0			0	.0
27/28	.0	.0					.0				.0	.0		.0
<27	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
TOTAL	4178	4024	4287	3936	3707	3484	3357	3230	3533	3812	4172	3927		100.0
MEAN	61.3	60.2	59.9	60.9	62.9	66.4	70.6	73.0	72.3	69.2	65.8	63.1	65.4	100.0
MEAN	01.03	00.2	37.9	00.9	02.9	00.4	10.0	13.0	16.3	07.2	05.8	03.1	05.4	

TABLE 21
PRESSURE (MB)

			AV	ERAGE	BY HOU	R (GMT)				
										TOTAL	
MO	0000	0300	0600	0900	1200	1500	1800	2100	MEAN	OBS	
JAN	1019	1020	1018	1018	1019	1019	1018	1019	1018	3475	
FEB	1016	1017	1016	1019	1017	1018	1016	1018	1017	3338	
MAR	1018	1017	1017	1017	1018	1019	1017	1019	1017	3474	
APR	1022	1020	1020	1019	1021	1019	1020	1020	1020	3318	
MAY	1022	1021	1021	1022	1022	1021	1021	1021	1022	3195	
JUN	1024	1023	1023	1022	1024	1022	1023	1023	1023	3083	
JUL	1026	1025	1025	1026	1026	1025	1025	1025	1025	2794	
AUG	1023	1024	1022	1023	1023	1024	1023	1024	1023	2824	
SEP	1022	1021	1021	1021	1022	1021	1021	1021	1021	3056	
DCT	1019	1020	1019	1019	1020	1018	1019	1019	1019	3242	
NOV	1020	1021	1019	1022	1020	1021	1019	1022	1020	3334	
DEC	1022	1023	1021	1023	1022	1022	1021	1023	1022	3347	
ANN	1021	1021	1020	1021	1021	1021	1020	1021	1021	38480	
OBS	7646	1337	8180	1472	8048	1536	8752	1509			

				P	FRCENT	ILES			
MO	MIN	1%	5%	25%	50%	75%	95%	99%	MAX
JAN FEB	984 983	991 991	998	1011	1019	1027	1034	1039	1044
MAR	984	989 998	997	1011	1019	1025	1032	1035	1040
MAY	993	1001	1009	1017	1022	1027	1032	1035	1040
JUL	1002	1011	1018	1023	1026	1029	1032	1034	1037
SEP	996	1004	1011	1018	1022	1025	1029	1031	1036
DEC	989 987	996 997	1003	1015	1021	1026	1032	1035	1042

PERIOD: (PRIMARY) 1908-1971 (DVER-ALL) 1855-1971

TABLE 1

AREA 0002 MADEIRA ISLANDS 32.6N 16.6W

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

				P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
WND D	IR R	AIN	RAIN	DRZL	FRZG PCPN	SNOW	DTHER FRZN PCPN	HAIL	PCPN AT	PCPN PAST HOUR	THDR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	NO SIG WEA
N NE		.8	7.8	1.2	.0	.0	.0	.0	4.9	3.1	:0	2.6	.0	1.0	:0	91.5
E		2.5	5.9	2.5	.0	.0	•0	.0	10.9	2.0	.0	1.0	.0	.0	.0	86.1
S E		6.4	3.4	.0	.0	.0	•0	.0	9.8	3.0	3.4	.0	.0	1.3	.0	93.8
SW		4.5	.0	.4	.0	.0	.0	.0	5.0	2.5	.0	.0	.0	.4	.0	92.1
W		2.1	8.1	1.9	.0	.0	.0	.0	7.2	6.1	3.2	.0	.0	1.1	.0-	85.6
VAR		.0	8.3	.0	.0	.0	.0	.0	8.3	16.7	.0	8.3	.0	.0	:0	66.7
	CT BS:	2.2	4.8	.9	,0	.0	.0	.0	7.9	3.1	.6	.7	.0	.4	.0	87.4

TABLE 2
PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHENOM	TENA	
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT	PCPN PAST	THOR	FOG WD PCPN	FDG WD PCPN PAST HR		SPRAY BLWG DUST BLWG SNOW	
E0300	2.9	4.3	.7	.0	.0	.0	.0	7.9	4.3	.0	.7	.0	.7	.0	86.3
90390	4.7	3.7	1.1	.0	.0	•0	.0	9.5	2.6	2.1	2.1	.0	1.1	.0	83.7
12615	.6	5.3	1.2	.0	.0		.0	7.1	4.1	.0	.6	•0	.0	.0	88.2
18621	1.1	5.3	.5	.0	.0	.0	.0	6.9	1.6	.0	.0	.0	.0	.0	91.5
TOT PC		4.7	.9	0	.0	•0	•0	7.9	3.1	.6	.9	•0	.47	0	87.5

TABLE 3

						- V			
PERCENTAGE	FREQUENCY	DF	WIND	DIRECTION	RY	SPEED	AND	BY	HOUR

					77													
		WI	ND SPE	ED (KN	OTS) .								HOUR	(GMT)				j
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	FREQ	SPD	00	.03	06	09	12	15	18	21	
N NE	:8	5.5	5.0		.1	.0		12.9	12.5	12.3	37.5	12.7	12.8		40.0	13.4		
E	.8	8.5	6.0		.1	.0		16.5	11.0	16.1	12.5	18.1	19.1	14.0		18.7	13.5	
SE	.5	5.9	3.5	1.3	.0	.0		11.2	11.5	11.2	15.6	12.2		10.4	20.0			
S	.5	4.3	3.5	.5	.0	.0		8.8	11.2	9.3	9.4	7.1	8.8	9.7	.0	9.2		
SW	.7	2.6	3.0		.1	.0		7.8	13.5	7.5	.0	7.9	6.8	8.3		7.6		
×	1.2	3.8	5.2		.2	.0		11.2	12.1	11.4	12.5	13.4		12.8	15.0			
NW	.7	3.5	4.2	1.0	.1	.1		9.6	13.3	8.9	.0	8.8	9.5	8.7	.0	10.3	12.3	
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	2.3							2.3	.0	2.5	12.5	3.1	3.2	1.7	.0	1.7	2.0	
TOT OBS	152	770	723	172	13	2	1832		11.9	316	8	353	190	349	5	363	248	
TOT PCT	8.3	42.0	39.5	9.4	.7	.1		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

۲	Δ	R	ı	F	A	

WND DIR	0-6	7-16	SPEED 17-27		41+	TOTAL	PCT	MEAN SPD	00	06 09	12 15	18 21
N NE	2.9	10.1	3.3	.2	:1		12.9	12.5	12.0	12.8	13.1	13.5
E SE	4.4	.9.1	2.8	.1	.1		16.5	11.0	16.0	18.4	13.8	16.6
SE	3.1	5.0	2.0	.4	.0		11.2	11.5	9.3	7.7	9.5	9.2
	2.2	3.0	2.0	.6	.0		7.8	11.2	7.3	7.6	8.5	7.7
SW	2.8	5.6	2.4	.3			11.2	12.1	11.4	12.3	12.8	9.1
NW	2.0	4.4	2.7	.4	.1		9.6	13.3	8.6	9.0	8.6	11.1
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	2.3						2.3	.0	2.8	3.1	1.7	1.8
TOT OBS	466	893	418	46	9	1832		11.9	324	543	354	611
TOT PCT	25.4	48.7	22.8	2.5	.5		100.0		100.0	100.0	100.0	100.0

JANUARY

PERIOD: (PRIMARY) 1908-1971 (OVER-ALL) 1855-1971

TABLE 4

AREA 0002 MADEIRA ISLANDS 32.6N 16.6W

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

Hell					SPEED (WE 441	PCT	TOTAL
HOU	CALM	1-3	4-10	11-21	22-33	34-47	48+	MEAN	FKEW	003
60300	2.8	5.9	44.4	37.0	8.6	.9	.3	11.7	100.0	324
90330	3.1	6.8	42.9	38.1	8.3	.6	.2		100.0	543
12615	1.7	6.2	41.2	38.7	11.9	.3	.0	12.1	100.0	354
18621	1.8	5.1	40.4	42.4	9.3	1.0	.0	12.3	100.0	611
TOT	43	109	770	723	172	13	2	11.9		1832
PCT	2.3	5.9	42 0	39.5	9.4	.7	.1		100.0	

TABLE 5

TABLE 6

Р	CT FRE			DIREC		(EIGHTHS)							CEILIN					
WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER	000 149	150 299	300 599	600 999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL
N	3.2	3.1	5.0	2.0		4.5	.0	.0	.0	1.2	1.6	1.7	.7	.4	.0	.0	7.7	
NE	2.7	3.8	7.1	3,3		5.1	.0	.0	.6	1.1	3.1	2.0	1.0	.6	.0	• 2	8.2	
E	2.2	2.4	5.6	4.4		5.6	.0	.0	.2	.9	4.2	1.9	.6	.2	.0	.0	6.6	
SE	1.8	1.4	3.2	1.8		4.9	.0	.0	.0	1.3	.6	1.0	.6	.0	.0	.1	4.7	
S	1.3	1.2	3.6	3.2		5.6	.0	.0	.0	1.7	1.6	1.1	.3	.2	.0	.2	4.3	
SW	2.0	1.6	5.4	1.6		5.0	.0	.0	.0	1.3	1.8	1.6	.9	.0	.0	.0	5.0	
*	3.3	4.1	5.3	3.1		4.8	.2	.0	.2	1.7	2.7	1.3	.2	.0	.0	.0	9.5	
NW	2.4	1.9	2.9	1.6		4.5	.0	.0	.0	1.1	.5	.5	.7	.0	.0	.0	5.9	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	1.1	.0	.6	.6		4.0	.0	.0	.2	.2	.4	.2	.0	.0	.0	.0	1.3	
TOT OBS	94	91	181	101	467	5.0	1	0	6	49	77	53	23	7	0	2	249	467
TOT PCT	20.1	19.5	38.8	21.6	100.0		.2	.0	1.3	10.5	16.5	11.3	4.9	1.5	.0	.4	53.3	100.0

TABLE 7

CUMULATIVE	PCT FREQ	OF SIMULT	ANFOUS	OCCURRENCE
OF CEILIN	NG HEIGHT	(NH >4/8)	AND VS	BY (NM)

				VSBY	(NM)			
CEI	LING .	DR .	DR .	DR .				OR = DR
(FE	ET)	>10	>5	>2	>1 >	1/2 >	1/4 >	50YD >0
= DR >	6500	.4	.4	.4	.4	.4	.4	.4 .4
= OR >	5000	1.5	1.9	1.9	.9	1.9	1.9	1.9 1.9
. DR >		5.3	6.6	6.6	.6	6.6	6.6	6.6 6.6
. DR >	2000 1	5.8 1	7.9 11	8.2 18	.2 1	8.2 1	8.2	18.2 18.2
= OR >	1000 2			4.4 34	.6 3	4.6 3	4.6	34.6 34.6
. DR >		7.6 4	3.8 4	4.7 44	.9 4	4.9 4	4.9	44.9 44.9
. DR >	300 3	8.5 4	5.1 4	5.9 46	.2 4	6.2 4	6.2	46.2 46.2
. OR >	150 3	8.5 4	5.1 4	5.9 46	.2 4	6.2 4	6.2	46.2 46.2
= DR >				5.2 46			6.4	46.4 46.4
	DTAL			216 2	17	217	217	217 217

TOTAL NUMBER OF OBS: 468

PCT FREQ NH <5/8: 53.6

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 DBSCD DBS 7.4 11.4 12.7 11.7 10.2 10.2 11.0 9.2 16.2 .0 511 JANUARY

PERIOD: (PRIMARY) 1908-1971 (OVER-ALL) 1855-1971

TABLE 8

AREA 0002 MADEIRA ISLANDS 32.6N 16.6W

1066

PERCENT				NON-DECURRENCE	OF
			NE VALUES O		

(NM)		N	NE	E	SE	5	SW	W	NW	VAR	CALM	PCT	TOTAL
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	NO PCP	.1	.0	.0	.0	.0	.0	.0	.1	.0	.1	.3	
	TOT %	.1	.0	.0	.0	.0	.0	.0	.1	.0	.1	.3	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/241		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	PCP	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.3	
1<2	NO PCP	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	. 1	
	TOT %	.0 .1	.0	.0	.0	.0	.1	.1	.0	.0	.0	.4	
	PCP	.0		. 3	.0	. 1	.0	.1	.1	.0	.0	.7	
2<5	NO PCP	.0	.0	.4	*	:1		.0	.0	.0	.0	.7	
	TOT %	.1		:4		.3		.1	• 1	.0	.0	1.5	
	PCP	.6	1.2	1.1	.4	.6	.3	.6	.8	.0	.0	5.5	
5<10	NO PCP	3.2	5.1	3.0	2.1	2.0	2.2	2.5	1.4	.0	.3	21.7	
	TOT %	3.7	6.3	4.1	2.4	2.5	2.5	3.1	2.2	.0	.3	27.3	
	PCP NO PCP	10:1	12:4	9:3	.0	.1		.1	.0	.0	.1	1.3	
10+	NO PCP	10.1	12.4	9.9	6.0	5:8	6.4	10:5	6.8	.0	1.2	69.1	
	TOT %	10.2	12.9	10.2	6.0	6.0	6.4	10.6	6.8	.0	1.3	70.5	
	TOT DBS												667
	TOT PCT	14.4	19.3	15.0	8.4	8.8	9.1	14.0	9,3	.0	1.8	100.0	30.

TABLE 9

							TABLE	9					
								ECTION S OF V			ED		
VSBY (NM)	SPD	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL
r Mers	0-3	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1	.2	003
<1/2	4-10	*	.0	.0	.0	.0	.0	.0	* .		•••	.1	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %		.0	.0	.0	.0	. 1	.0	*	.0	.1	.3	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0.	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	0-3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
1<2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.1	.0	.0		.1	
	22+ TOT %	.0	.0	.0	.0	.0	,1	.0	.0	.0		.1	
	101 %	.1	.0	.0	.0	•0	,1	.1	.0	.0	.0	.3	
	0-3	.0	.1	.0	.0	.0	.0	.1	.0	.0	.0	.2	
2<5	4-10	.1	.0	.0	.0	. 2	.1	.0	*	.0		.5	
	11-21	.0	*	.3	.2	. 2	, 1	.3	.1	.0		1.2	
	22+	.0	.0	.1	.0	.0	.0	.0	.0	.0		.1	
	TOT %	.1	.1	.4	.2	.4	.2	.4	.1	.0	.0	2.0	
	0-3	.2	.1	.1	.0	.0	.1	.3	.1	.0	.3	1.2	
5<10	4-10	1.1	1.2	1.3	.6	.3	.7	.9	. 2	.0		6.4	
	11-21	1.4	2.6	1.5	.7	1.4	.7	1.2	1.1	.0		10.5	
	22+	.2	.4	.4	.6	.4	.5	.4	.2	.0		3.1	
	TOT %	3.0	4.2	3.2	1.9	2.1	2.0	2.9	1.7	.0	.3	21.2	
	0-3	.5	.5	4	.3	.5	.8	.7	. 2	.0	1.2	5.1	
10+	4-10	4.6	6.9	7.1	4.5	3.1	2.4	3.8	3.6	.0		36.1	
	11-21	4.2	6.6	4.1	2.4	1.9	2.3	5.3	3.2	.0		30.1	
	22+ TOT %	10.0	14.9	6	7.7	5.8	.8	7	6	.0		5.0	
	101 %	10.0	14.9	12.2	7.1	5.8	6.4	10.4	7.6	.0	1.2	76.3	

TOT QBS TOT PCT 13.2 19.3 15.9 9.8 8.3 8.7 13.7 9.5 .0 1.6 100.0

JANUARY

PERIOD:	(PRIMARY)	1908-1971
	(DVED ALL)	1955-1971

TABLE 10

AREA 0002 MADEIRA ISLANDS 32.6N 16.6W

PERCENT FREQUENCY OF CEILING HFIGHTS (FEET,NH >4/8) AND DCCURRENCE OF NH <5/8 BY HOUR

HOUR 000 150 300 600 1000 2000 3500 5000 6500 8000+ TOTAL NH <5/ (GMT) 149 299 599 999 1999 3499 4999 6499 7999 ANY HG	
00003 0 0 10 87 125 77 48 10 0 0 365 63	OBS
00003 .0 .0 1.0 0.7 13.2 1.7 4.6 1.0 .0 .0 30.5 03.	104
06609 .0 .0 .8 11.7 16.7 5.8 .8 1.7 .0 .0 37.5 62.	120
12615 .7 .0 2.2 8.6 17.3 15.8 8.6 1.4 .0 .7 55.4 44.	139
18621 .0 .0 .8 10.8 14.6 13.1 4.6 1.5 .0 .8 46.2 53.	3 + 130
TOT 1 0 6 49 77 54 24 7 0 2 220 27 PCT .2 .0 1.2 9.9 15.6 11.0 4.9 1.4 .0 .4 44.6 55.	

TABLE 1

TABLE 12

		PERCENT	FREQUEN	ICY VSBY	(NM)	BY HOUR		CUMULAT					VSBY (NM)	
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL
00803	.0	.0	.0	1.9	20.1	78.0	209	00603	.0	1.0	12.5	26.0	61.5	96
90360	.6	.0	.3	2.9	21.3	74.8	314	90360	.0	.9	14.0	25.4	60.5	114
12615	.0	.0	.0	1.7	18.4	79.9	239	12615	.7	3.0	12.6	45.2	42.2	135
18821	.3	.0	.6	1.2	24.3	73.5	321	18821	.0	.8	13.8	34.1	52.0	123
TOT	3	0	3	21	231	825	1083	TOT	1	7	62	157	249 53.2	468

TABLE 1

					3555 5					
	PERCE	ENT FR	EQUENC	Y OF R	ELATIV	HUMI	DITY A	Y TEMP		
									TOTAL	PCT
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	OBS	FREQ
70/74	.0	.0	.0	.2	.0	.6	.0	.0	4	.8
65/69	.0	.0	.0	1.0	3.2	7.6	9.4	6.0	136	27.1
60/64	.0	.0	.4	3.2	15.2	22.0	18.8	6.0	328	65.5
55/59	.0	.0	.0	.6	1.0	2.0	1.8	. 8	31	6.2
50/54	.0	.0	.0	.0	.0	.2	.0	.2	2	.4
TOTAL	0	0	2	25	97	162	150		501	100.0
PCT	.0	.0	.4	5.0	19.4	32.3	29.9	13.0		
60/64 55/59 50/54 TOTAL	.0	.0	.0	3.2 .6 .0 25	15.2 1.0 .0 97	22.0 2.0 .2 162	18.8 1.8 .0 150	6.0	328 31 2	65.

TABLE 14

	PERC	ENT FR	REQUENCY	OF W	IND D	RECTIO	N BY	EMP	
N	NE	E	SE	S	SW	W	NW	VAR	CALM
.1	.0	.0	.0	5.0	5.4	.2	.2	.0	.0
1.3	1.1	3.4	3.2	5.0	5.4	5.3	1.8	.0	.4
10.5	14.2	10.2	5.2	4.7	4.4	8.8	5.7	.0	1.8
1.1	2.0	.7	*	. 2	*	.7	1.3	.0	.0
• 2	.0	.0	.0	.0	.0	.0	.0	.0	.2
13.3	17.3	14.4	8.5	9.9	10.1	15.0	9.1	.0	2.4

TABLE 15

,	MEANS,	EXTREMES	AND	PERCEN	TILES	OF TEMP	(DE	G F) B	Y HOUR
HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL
00803 06809	68	67	66	62	57 58	54 55	52	61.8	325 544
12615	73	70	68	64	59	55	54	63.9	351
18821	70	69	67	63	59 58	55	53	62.5	596 1816

	PERC	ENT FRE	QUENCY	OF RELA	TIVE H	MIDITY	BY HOUR	3
HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
00803	.0	2.8	14.0	25.2	39.3	18.7	80 78	107
12615	.0	9.0	20.1	39.2	24.6	11.2	75	134
18821	.0	5.5	26.8	29.1	28.3	10.2	76	127
TOT	0	27	100	166	153	65	77	511

PERIOD: (PRIMARY) 1908-1971 (OVER-ALL) 1855-1971

TABLE 17

AREA 0002 MADEIRA ISLANDS 32.6N 16.6W

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)

* 3		-364	CH. C	A TONE	0111	EWENCE	IDEO			
AIR-SEA	53	57	61	65	69	73	TOT	W	WD	
TMP DIF	56	60	64	68	72	76		FOG	FOG	
11/13	.0	.0	.0	.2	.0	.0	1	.0	.2	
9/10	.0	.0	.0	. 3	.0	.0	2	.0	.3	
6	.0	.0	.0	.5	.0	.0	3 8	.0	.5	
5	.0	.0	5	.3	.5	.0		.0	1.3	
4	.0	.0	.3	1.0	.5	.2	12	.0	2.0	
3	.0	.0	.7	1.8	.3	.0	17	.0	2.8	
2	.0	.0	1.1	4.9	.2	.0	38	.0	6.2	
1	.0	.5	2.8	5.3	.2	.0	53	.0	8.7	
0	.0	.3	7.4	5.7	.0	.0	82	.0	13.5	
3 2 1 0	.0	.7	11.0	3.0	.0	.0	89	.2	14.4	
-2	.0	2.0	9.9	1.1	.0	.0	79	.5	12.5	
-3	.0	2.0	8.0	1.3	.0	.0	69	.0	11.3	
-4	.0	2.8	6.6	. 3	.0	.0	59	.0	9.7	
-5	.3	3.3	3.0	.2	.0	.0	41	.0	6.7	
-6	.3	2.6	1.3	.2	.0	.0	27	.0	4.4	
-6 -7/-8	.8	1.0	1.0	.0	.0	.0	17	.0	2.8	
-9/-10	.3	.8	.7	.0	.0	.0	11	.0	1.8	
-14/-16	.0	.2	.0	.0	.0	.0	1	.0	.2	
TOTAL	11		330		10			4	605	
		98		159		1	609			
PCT	1.8	16.1	54.2		1.6	.2	100.0	.7	99.3	

PERIOD: (OVER-ALL) 1963-1971

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT) HGT <1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 26-32 23-25 26-32 33-40 41-48 49-60 61-70 71-86 87+ 1-3 1-3 48+ 48+ PCT 1.6 6.3 3.9 3.3 1.1 .5 .0 .0 .0 .0 .0 .0 .0 SE 22-33 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... HGT <1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60 61-70 71-86 87+ TOT PCT 1-3 1-3 PCT 1.8 4.2 5.4 1.0 1.5 .0 .0 .0 .0 .0 .0 48+

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PERIOD:	COVE	9-At ()	1963-1	971					JANUARY				ADEA	0002	MADETRA	ISLANDS
PERIOD.	10.5	N-ALL!	1703-1					TABLE	18 (CON	T)			AREA			. 6W
				PC	T FREO	OF WIND	SPEED	(KTS)	AND DIR	ECTION	VERSUS :	SEA HELO	HTS (FT)		
				S								SW				
HGT	1-3	4-10	11-21	22-33	34-47	48+	PET		1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	.4	1.0	.0	.0	.0	.0	1.4		.1	1.0	.5	.0	.0	.0		
1-2	.0	3.2	.0	.0	.0	.0	3.2		.0	1.6	1.5	.0	.0	.0		
3-4	.0	1.0	2.4	.0	.0	.0	3.4		.0			.5	.0	.0		
5-6	.0	.0	1.4	.0	.0	.0	1.4		.0			1.5	.0	.0		
7	.0	.0	1.4	.0	.0	.0	1.4		.5			2.5	.0	.0		
8-9	.0	.0	.0	.0	.0	.0	.0		.0	. (.0	.0	.0		
10-11	.0	.0	.0	.0	.0	.0	.0		.0			.0	.0	.0		
12	.0	.0	.0	.4	.0	.0	.4		.0			.0	.0	.0		
13-16	.0	.0	.0	.0	.0		.0		.0			.0	.0	.0		
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0		.0			.0	.0	.0		
23-25	.0	.0	.0	.0	.0	.0	.0		.0			.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0		.0			.0	.0	.0		
33-40	.0	.0	.0	.0	.0	.0	.0		.0			.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0		.0			.0	.0	.0		
49-60	.0	.0	.0	.0	.0	.0	.0		.0			.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0		.0			.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0		.0			.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0		.0			.0	.0	.0	.0	
TOT PCT	.4	5.2	5.2	.4	.0	.0	11.1		.6	3.5	7.8	4.5	•0	•0	16.5	
				w								NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.0	1.0	.0	.0	.0	.0	1.0		.0		5	.0	.0	.0	1.0	
1-2	.0	.9	.0	.0	.0	.0	.9		.0	.6	5	.0	.0	.0	1.1	
3-4	.5	2.1	3.7	.0	.0	.0	6.3		.0	1.8	1.0	.0	.0	.0		
5-6	.0	.0	1.9	.0	.0	.0	1.9		.0	.0	.1	.0	.0	.0	• 1	
7	.0	.0	.5	.5	.0	.0	1.0		.0	. (.5	.0	.0	.0	.5	
8-9	.0	.0	.0	.0	.0	.0	.0		.0	. (.5	.0	.0	.0	.5	
10-11	.0	.0	.0	.0	.0		.0		.0	.(.0	.0	.0	.0	.0	
12	.0	.0	.0	.5	.0	.0	.5		.0			.0	.0	.0	.0	
13-16	.0	.0	.0	.5	.0		. ,		.0			•0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0		.0		.0			.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0		.0			.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0		.0		.0			.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0		.0		.0			.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0		.0		.0			.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0		.0		.0			.0	.0	.0		
							.0									
TUT PCT	.5	4.0	6.1	1.5	.0	.0	12.1		.0	2.9	3.2	.0	.0	.0	6.1	98.0
49-60 61-70 71-86 87+ TOT PCT	.0	.0 .0 .0	.0 .0 .0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	

6

	MIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	3.5	8.0	1.0	.0	.0	0	12.6	000
1-2	1.0	19.6	5.0	.0	.0	.0	25.6	
3-4	.5	10.1	17.6	1.5	.0	.0	29.6	
5-6	.0	1.5	11.6	2.0	.0	.0	15.1	
7	.5	1.0	5.0	4.0	.0	.0	10.6	
8-9	• 0	.0	2.0	1.5	.0	.0	3.5	
10-11	•0	.0	.5	.0	.0	.0	.5	
12	.0	.0	.0	1.5	.0	.0	1.5	
13-16	• 0	.0	.0	.5	.5	.0	1.0	
17-19	•0	.0	.0	.0	.0	.0	.0	
20-22	•0	.0	.0	.0	.0	.0	.0	
23-25	•0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	• 0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	• 0	.0	.0	.0	.0	.0	.0	
Distance Contractor								199
TOT PCT	5.5	40.2	42.7	11.1	.5	.0	100.0	

PE	RIOD:	(0)	ER-ALL	1 194	9-1971					TABLE	19											
						PERCENT	FRE	QUENCY	OF WA	VE HEI	GHT (F	r) vs	WAVE P	ERIOD	(SECON	DS)						
PERI (SEC		<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN
<6 6-		1.5	5.9	9.9	4.6	2.0	3.8	.8	•0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100	4
8-	9	.0	1.0	1.8	3.3	3.8	1.8		.0		.0	.0	.0	.0		.0	.0	.0	.0	.0	57	7
10-	11	.0	.5	2.3	1.3	1.3	2.8		1.0		.0	.0	.0	.0		.0	.0		.0	.0	43	7
12-	13	.0	.0	1.8	.0	1.0	1.0	,8	.5	.5	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	8
>1	3	.0	.0	.0	.3	. 8	.8	1.3	• 0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	13	9
IND	ET !	1.0	1.5	2.8	3.6	1.8	1.5	.5	• 0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	51	5
101		11	41	93	88	63	48	28	9	.10	1	1	0	0	0	0	0	0	0	0	393	6
PC	T	2.8	10.4	23.7	22.4	16.0	12.2	7.1	2.3	2.5	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1903-1971 (OVER-ALL) 1855-1971

TABLE 1

AREA 0002 MADEIRA ISLANDS 32.6N 16.6W

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA		
WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRATE	IST	NO SIG WEA
N NE	1.1	6.5	:0	.0	.0	.0	.0	7.1	2.5	1.2	1:5	.0	:0	:	8 9	9.2
E SE	1.9	2.0	2.9	.0	.0	.0	.0	2.0	3.8	.0	2.0	.0	1.9	.0		5.5
SW	2.4	3.7	1.2	.0	.0	•0	.0	3.6	6.1	.0	.0	.0	.0	.0		2.3
W	1.7	5.1	2.1	.0	.0	.0	.0	8.9	3.2	1.1	1.3	.0	.0		8	6.7
VAR CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0)	.0
TOT PCT	1.1	3.5	.8	.0	.0	.0	.0	5,3	2.8	.5	.8	.0	.1			0.4
TOT DBS:	739	3.5		.0	.0	• 0	.0	2.3	0						,	

TABLE 2
PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			Р	RECIPI	TATION	TYPE					DTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	ND SIG WEA
00603	2.7	1.4	1.4	.0	.0	.0	.0	5.5	1.4	2.1	.7	.0	.7	.0	89.7
12615	2.0	3.2	.5	.0	.0	•0	.0	7.0	4.0	.0	1.5	.0	.0		86.9 91.3 91.3
18621	.5	4.9	1.5	.0	.0	•0	.0	6.8	1.0	.0	1.0	.0		.c	89.9
TOT PCT	769	3.6	.9	.0	.0	•0	•0	5.9	2.7	.5	.,	•0	•1	• •	07.7

TABLE 3
PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		WIN	D SPE	ED (KN	DTS)								HOUR	(GMT)			
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	FREQ	MEAN	00	03	06	09	12	15	18	21
N	.5	5.8	5.3		.3	.0			12.8	12.8	12.5	13.8		11.8	12.5		
NE	1.1	8.8	9.2		.4	.0		21.0	12.5	23.3			15.4	13.8	4.2		
	1.3	6.8	4.6			.0			10.5								
SE	.4	3.5	2.4	.5	.1	.0		7.0	11.4	6.5	.0	4.5	7.8	8.8	.0	8.2	6.6
S	.5	3.0	1.8	.6	*	.0		6.0	11.1	6.3	25.0			5.7	12.5	6.5	
SW	.8	3.8	4.4	1.4	.5	*		10.9	14.2	10.4	12.5	11.3	8.3	13.3	25.0	11.2	8.7
W	.8	3.2	5.6	1.7	. 8	.2		12.3	16.1	13.0	12.5	13.1	8.3	14.7	29.2	12.8	8.3
NW	.7	4.7	4.8	2.0	.2	*		12.5	13.7	11.9	12.5	12.3	14.2	10.5	16.7	11.7	16.3
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	3.4							3.4	.0	2.5	.0	3.4	5.0	3.7	.0		
TOT OBS	194	790	761	201	48	7	2001		12.5	357	8	384	222	401	12	375	242
TOT PCT	9 7	20 5	38 0	10.0	2 4	3		100.0		100.0	100-0	100-0	100.0	100.0	100-0	100.0	100.0

T .	NI		-	A	

WND DIR	0-6	WIND 7-16	SPEED 17-27	(KNDTS) 28-40	41+	TOTAL	PCT	MEAN SPD	00	06 09	(GMT) 12 15	18 21	
N NE	3.3	6.1	3.0	7	:1		13.2	12.8	12.5	13.4	11.4	14.6	
	4.1	11.3	4.5	1.0							13.6	12.3	
t	4.0	7.6	1.9	• 2	*		13.7	10.5	13.5	15.2			
E SE	1.8	3.8	1.2	.2	.0		7.0	11.4	6.4	5.7	8.5	7.6	
S	2.2	2.4	1.0	.4	.0		6.0	11.1	6.7	5.2	5.9	6.4	
SW	2.6	4.2	3.0	.9	.1		10.9	14.2	10.4	10.2	13.6	10.2	
W	2.1	4.9	3.7	1.1	.5		12.3	16.1	13.0	11.3	15.1	11.0	
NW	2.6	5.7	3.3	.7	.1		12.5	13.7	11.9	13.0	10.7	13.5	
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	
CALM	3.4						3.4	.0	2.5	4.0	3.6	3.2	
TOT OBS	522	925	431	104	19	2001		12.5	365	606	413	617	
TOT PCT	26.1	46.2	21.5	5.2	.9	-	100.0		100.0	100.0	100.0	100.0	

FEBRUARY

PERIOD: (PRIMARY) 1903-1971 (OVER-ALL) 1855-1971

TABLE 4

AREA 0002 MADEIRA ISLANDS 32.6N 16.6W

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10		SPEED (KNOTS) 34-47	48+	MEAN	PCT	TOTAL
00603	2.5	6.0	41.9	40.3	6.3	2.7	.3	12.0	100.0	365
06809	4.0	7.9	39.9	34.8	10.4	2.6			100.0	606
12615	3.6	4.6	38.5	37.5	12.8	2.7			100.0	413
18821	3.2	6.0	38.2	40.2	10.0	1.8			100.0	617
TOT	68	126	790	761	201	48	7	12.5		2001
PCT	3.4	6.3	39.5	38.0		2.4	. 3		100.0	

			IA	BLE >									DEL O					
P	CT FRE			LOUD A		EIGHTHS)		,	PERCEN	TAGE F	REQUEN	CY OF	CEILIN NH <5/	G HEIG	HTS (F	T,NH >	4/8) IN	
WND DIR	0-2	3-4	5-7	8 & DBSCD	TOTAL	COVER	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL
N NE	1.8	2.8	3.4	2.3		5.0	.0	.0	.2	.6	1.5	1.5	• 5	.0	.6	.0	5.4 9.5	
E	2.7	2.2	4.2	2.0		5.4	.0	.0	.0	1.0	1.0	1.4	1.0	.2	•0	.0	7.1 3.3	
S	.7	1.4	2.6	1.7		5.4	.0	.0	.0	1.5	1.8	1.9	.8	.1	.2	.2	3.3	
NW NW	3.2	4.2	7.0	4.1		5.1	.0	.0	.0	2.4	2.6	1.7	.8	.0	.2	.0	8.0	
VAR	.0	.0	.0	.0		5.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT OBS	99	103	194	93	489	4.9	1 .2	0	.4	8.2	12.7	50 10.2	7.0	.6	1.4	1.0	285 58.3	489

TABLE 7

CUMULATIVE PCT FREE	OF SIMULTANFOUS	DCCURRENCE
OF CEILING HEIGH		

					VSBY (NM)			
C	EILING	= AR	= OR	= DR	# DR	# DR	■ OR	■ DR	= DR
	FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
= OR	>6500	1.8	2.2	2.2	2.2	2.2	2.2	2.2	2.2
	>5000	2.2	2.9	3.1	3.1	3.1	3.1	3.1	3.1
	>3500	8.6	9.8	10.0	10.2	10.2	10.2	10.2	10.2
	>2000	15.5	19.2	19.8	20.0	20.0	20.0	20.0	20.0
= Op	>1000	25.7	31.8	32.7	32.9	32.9	32.9	32.9	32.9
	>600	31.2	39.4	40.4	41.0	41.0	41.0	41.0	41.0
# DR	>300	31.4	39.8	40.8	41.4	41.4	41.4	41.4	41.4
	>150	31.4	39.8	40.8	41.4	41.4	41.4	41.4	41.4
	> 0	31.4	39.8	40.8	41.4	41.4	41.4	41.6	41.6
	TOTAL	154	195	200	203	203	203	204	204

TOTAL NUMBER OF DBS: 490 PCT FREQ NH <5/8: 58.4

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 DBSCD QBS 6.7 10.1 15.2 13.1 12.9 9.4 9.2 8.8 14.4 .2 534

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE N C F/G 4/2 SUMMARY OF SYNOPTIC METEOROLOGICAL OBSERVATIONS (SSMO). WEST AF--ETC(U) AD-A031 778 NOV 76 NL UNCLASSIFIED 2 of 7 ADA031778 题

E	•		•	·

									FEB	RUAKY						
: 00	(PRIMARY		1903-1971 1855-1971						TA	BLE 8				ARE		MADEIRA ISLANDS 32.6N 16.6W
				,	ERCENT	PREC	OF WIND	DIRE	CTION TH VAR	VS DCC	ALUES C	F VI	IN-DCC	URRENC	E OF	
		SBY NM)		N	NE		SF	5	Sw		NF	VAR	CALM	PCT	TOTAL	
			PCP	.0	.0	:0	.0	.0	.0	.1	.0	.0	.0	.3		
	<	1/2	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
			101 \$.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.3		
			PCP	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1		
	1	124	NO PCP	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.3		
			TOT &	.0	.4	:0	.0	.0	.0	:0	.0	.0	.0	:3		
			PCP	.0	.0	:0	.0	.0	.1	.1	.0	.0	.0	.1 .1		
	1	<2	NO PCP	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.1		
			TOT &	.0	.0	.0	.0	.1	.1	.1	.0	.0	.0			
			PCP	:0	:0	:2	.0	.0	:0	:3	:1 :0 :1	:0	:0			
	2	<5	NO PCP	.0	.0	.2	.5	• 2	.4	.3	.0	.0	.0	1.2		
			TOT \$.0	.0	.2	.2	.2	.4	.6	.1	.0	.0	1.6		
			PCP	.6	.6	::;	-1	.2	.1	.5	.4	.0	.0	2.9		
	,	<10		2.9	6.5	4.4	2.4	1.3	2.6	4.3	4.0	.0	.3	28.8		
			101 \$	3.5	7.1	4.7	2.6	1.5	2.8	4.8	4.4	.0	.3	31.7		
			PCP	.2	11:0	8:6	.1	3:9	10.4	10:0	8:1	:0	:0	1.4		
	1	0+	NO PCP	7.3		8.6	4.1	3.9		10.0	0.1	.0	.8	64.3		
			TOT &	7.4	11.1	8.6	4.3	3.9	10.9	10.4	8.3	.0	.8	65.6		

TOT DBS
TOT PCT 11.0 18.6 13.5 7.1 5.7 14.3 16.0 12.7 .0 1.1 100.0

-

PERCENT FRED OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY VSBV SP													
VSBY (NM)	SPD	N	NE	E	SE	s	SW	W	NW	VAR	CALM	PCT	TOTAL
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.1	.0	.0		.1	
	22+	.0	.0	.0	.0	.0	.1	.0	.0	.0		.1	
	TOT \$.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.2	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.3	.0	.0	.0	.0	.0	.0	.0		.3	
	22+	.0	.0	.0	.0	.0	.1	.0	.0	.0		.1	
	TOT \$.0	.3	.0	.0	.0	,1	.0	.0	.0	.0	.3	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.1	.0	.0		.1	.0	.0		.3	
	22+	.0	.0	.0	.0	.1	.2	.0	.0	.0		.3	
	TOT \$.0	.0	.1	.0	.1	.2	.1	.0	.0	.0	.5	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	4-10	.0	.1	.1	.1	.1		.0	.1	.0		.4	
	11-21	.0	.2	.2	.2	.3	.1	.3	.0	.0		1.1	
	22+	.0	.0		.2	.2	.2	.6	.1	.0		1.3	
	TOT %	.0	.3	.3	.5	.5	.3	.8	.2	.0	.0	2.8	
	0-3	.1	.3	.3	.1	.2		.1	.1	.0	.3	1.6	
5<10	4-10	1.2	2.2	2.2	1.0	.6	.4	.6	1.7	.0		9.9	
	11-21	1.6	3.5	1.6	.9	.9	1.7	1.9	1.3	.0		13.3	
	22+	.5	.2	.0	.1	.4	.8		.3	.0		3.2	
	TOT \$	3.4	6.2	4.1	2.2	2.1	3.0	3.5	3.4	.0	.3	26.0	
	0-3	.3	.9	.9	.2	.3	.3	.6	.6	.0	1.2	5.5	
10+	4-10	4.9	5.4	5.0	2.2	2.3	3.5	2.6	3.3	.0		29.3	
	11-21	3.0	5.9	3.6	1.7	1.2	4.0	4.2	3.2	.0		26.9	
	22+	.9		.6	.3	.4	.9	1.4	1.1	.0		6.5	
	TOT #	9.0	13.0	10.2	4.5	4.2	8.8	8.8	8.4	.0	1.2	68.1	
	TOT 085												1158
The same	TOT PCT	12.5	19.7	14.7	7.1	6.8	12.5	13.3	11.9	.0	1.5	100.0	

FEBRUARY

PERIOD: (PRIMARY) 1903-1971 (OVER-ALL) 1855-1971

TABLE 10

AREA 0002 MADEIRA ISLANDS 32.6N 16.6M

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND

HOUR (GMT)	000	150 299	300 599	600 999	1000	2000 3499	3500 4999	5000	6500	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL
00603	.0	.0	1.0	2.9	11.7	8.7	4.9	1.9	1.0	1.0	33.0	67.0	103
06609	1.0	.0	1.0	8.7	14.6	7.8	1.9	1.0	1.9	.0	37.9	62.1	103
12615	.0	.0	.0	8.1	12.8	10.5	9.3	.6	1.2	.6	43.0	57.0	172
18621	.0	.0	.0	10.0	10.7	10.7	8.6	.0	1.4	2.1	43.6	56.4	140
TOT	1	0	2	740	17.4	50	35	:	. 7	1.0	208	310	518

TABLE 1

TARLE 1

											HOLE	**		
		PERCENT	FREQUE	CY VSBY	(NM)	BY HOUR		CUMULAT	THE PCT	FREQ IG HGT	OF RAN	GES OF	VSBY (NM)	AND/OR
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL UBS	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00603	.4	.4	.0	3.4	28.3	67.4	233	00603	.0	1.1	6.5	29.0	64.5	93
90390	.3	.3	.6	3.3	35.0	60.4	331	90300	1.0	2.1	12.5	27.1	60.4	96
12615	.0	.3	.3	1.4	27.3	70.6	286	12615	.0	.0	9.8	35.6	54.6	163
18621	.0	.6	.9	3.0	24.3	71.3	338	18821	.0	.0	11.6	32.6	55.8	138
TOT PCT	.2	.4	.5	33 2.8	342 28.8	800 67.3	1188	TOT PCT	.2	.6	50	156	284 58.0	490

ARIE 12

TABLE 1

TABLE 15

 HEANS, EXTREMES
 AND
 PERCENTILES
 OF TEMP
 (DEG F)
 BY
 HQUR

 HQUR
 HAX
 99%
 95%
 50%
 5%
 1%
 MIN
 MEAN
 TOTAL

 00603
 68
 66
 65
 61
 57
 55
 50
 61.0
 366

 06609
 73
 67
 65
 61
 57
 54
 50
 60.7
 614

 12615
 74
 71
 69
 63
 58
 54
 54
 63.4
 406

 18621
 74
 70
 67
 62
 58
 56
 54
 62.3
 600

 TOT
 74
 69
 67
 62
 57
 55
 50
 61.8
 1986

TABLE 16

FEBRUARY

PERIOD: (PRIMARY) 1903-1971 (OVER-ALL) 1855-1971

TABLE 17

AREA 0002 MADEIRA ISLANDS 32.6N 16.6W

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	49 52	53 56	57 60	61	65	69 72	73 70	TOT	FOG	FDG
9/10	.0	.0	.0	.4	.0	:0	.0	3	.0	.4
7/8	.0	.0	.0	.0	.0	.7	.4		.0	1.1
6	.0	.0	.0	.0	.3	.1	.0	3	.0	.4
5	.0	.0	.0	+.0	.1	.6	.0	3 5	.0	:7
4	.0	.0	.0	.7	2.0	:6	.1	20	.0	2.9
3	.0	.1	.0	1.1	1.6	.6	.0	24	.1	3.3
2	.0	.0	.0	2.6	3.1	.4	.0	43	.1	6.0
1	.0	.0	.0		3.0	.0	.0	71	.3	9.8
0	.0	.0	.3	10.1	3.6	.0	.0	98	.1	13.8
6 5 4 3 2 1 0	.0	.0	1.9	11.3	1.0	.0	.0	101	.1	14.3
-2	.0	.0	4.1	9.0	.7	.0	.0	97	.0	13.8
-2 -3 -4 -5	.0	.0	5.1	5.1	.4	.0	.0	75	.0	10.7
-4	.0	.1	6.3		.1	.0	.0	66	.1	9.3
-5	.0	.1	3.7	1.4	.0	.0	.0	37	.0	5.3
-6	.0	.1	2.0		.0	.0	.0	17	.0	2.4
-7/-8	.0	,3	1.4	1.0	.1	.0	.0	20	.0	2.9
-9/-10	.1	.4	.4	.6	.0	.0	.0	11	.0	1.6
-11/-13	.0	.0	.1	.0	.0	.0	.0	1	.0	.1
-14/-16	.1	.0	.0	.0	.0	.0	.0	1	.0	694
TOTAL	2		178	100	113		4		7	694
A Property of the	STATE OF	9		376		19		701		TENEST OF
PCT	.3	1,3	25.4	53.6	16.1	2.7	.6	100.0	1.0	99.0

PERIOD: (DVER-ALL) 1963-1971

TABLE 18

				PC	T FREQ	OF WIND	SPEED	(KTS) AND DIRE	CTION V	ERSUS S	EA HEIG	HTS (FT)	
				N							NE			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
(1	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.0	.0	.0	.0	1.0
1-2	.0	1.7	.7	.0	.0	.0	2.5	.0	2.5	1.5	.0	.0	.0	3.9
3-4	.0	1.1	.9	.0	.0	.0	2.0	.0	2.2	2.7	.0	.0	.0	4.9
5-6	.0	.0	2.2	.0	.0	.0	2.2	.0	.0	.7	.0	.0	.0	.7
7	.0	.0	.5	.0	.0	.0	.5	.0	.0	.5	.5	.0	.0	1.0
8-9	.0	.0	.0	.4	.0	.0	.4	.0	.0	.0	.1	.0	.0	.1
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	•0	2.8	4.3	.4	.0	.0	7.5	.0	5.6	5.4	.7	.0	•0	11.8
				E							SE			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.5	.0	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	0
1-2	.0	1.8	1.3	.0	.0	.0	3,2	.5	1.6	1.1	.0	.0	.0	3.2
3-4	.0	1.3	.4	.0	.0	.0	1.7	.0	.5	1.6	.0	.0	.0	2.1
5-6	.0	.0	.9	.0	.0	.0	.9	.0	.5	.5	.0	.0	.0	1.0
7	.0	.0	.0	.5	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.0	.0	.5
10-11	.0	.0	.0	.4	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-66	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	7:1	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	3.7	2.6	.9	.0	.0	7.1	.5	2.6	3.2	.5	.0	.0	6.7

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									FEBRUARY							
PERIOD:	COVE	R-ALL)	1963-	1971				TABLE	18 (CON	т)			AREA			ISLANDS
				PC	T FREO	OF WIND	SPEED	(KTS)	AND DIR	ECTION	VERSUS	SEA HEIG	HTS (FT)		
нст	1-3	4-10	11-21	5 22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	.9	.0	.0	.0	.0	.0	.9		.6	1.0			.0	.0		
1-2	.0	.5	.5	.0	.0	.0	1.0		.0	2.1			.0	.0		
3-4	.0	.9	,9	.0	.0	.0	1.7		.0				.0	.0		
5-6	.0	.0	.0	.4	.0	.0	.4		.0				.0	.0		
7	.0	.0	.7	.0	.0	.0	.7		.0				.0	.0		
8-9	.0	.0	0	.5	.0	.0	.5		.0				.5	.0		
10-11	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0		
12	.0	.0	.0	.0	.0	.0	.0		.0				.0	.0		
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0			.1	.0		
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.(.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.(.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.(0.0		.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.(0.0		.0	.0		
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.(0 .0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.(.0		.0	.0		
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.(0 .0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.(.0		.0	.0		
87+	.0	.0	.0	.0	.0	.0	.0		.0				.0	.0		
TOT PCT	.9	1.3	2.1	.9	•0	.0	5,1		.6	5.5	15.0	3.6	.6	•0	25.2	
												NH				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21		34-47	48+	PCT	PCT
<1	.0	.0	.0	.0	.0	.0	.0		.0	1.0	0 .0	.0	.0	.0	1.0	
1-2	.0	1.6	1.3	.0	.0	.0	2.9		.0	3.2			.0	.0		
3-4	.0	.5	3.8	.0	.0	.0	4.3		.0				.0	.0		
5-6	.0	.9	3.7	-4	.0	.0	4.9		.0	.(.2		.0	.0		
7	-0	.5	3.1	2.2	.0	.0	5.8		.0				.0	.0		
8-9	.0	.0	.5	.9	1.0	.0	2.3		.0				.0	•0		
10-11	.0	.0	.0	.0	1.0	1.0	2.0		•0				.0	.0		
12	.0	0	.0	.0	.0	.0	.0		.0				.0	.0		
13-16	.0	.0	.0	.0	.4	.0	.4		•0				.0	.0		
17-19	.0	.0	.0	.0	.0	.0	.0		.0				.0	.0		
20-22	.0	.0	.0	.0	.0	.0	.0		.0	•(.0	.0		
23-25	.0	.0	.0	.0	.0	.0	.0		.0				.0	•0		
26-32	.0	.0	.0	.0	1.0	.0	.0		.0	• 0			.0	•0		
33-40	.0	.0	.0	.0	.0	.0	.0		.0				.0	.0		
49-60	.0	.0	.0	.0	.0	.0	.0		.0	:0			.0	.0		
61-70	.0	.0	.0	.0	.0	.0	.0		.0				.0			
71-86	.0	.0	.0	.0	.0	.0	.0		.0				.0	.0		
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0		
TOT PCT	.0	3.4	12.4	3.4	2.3	1.0	22.5		.0	4.9			.0	.0		98.5
101 701	.0				2.5	1.0	62.5		.0	7.7	0.1	1.3	.0	•0	*2.5	,0.5

* * *

. .

	MIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	3.9	3.4	.0	.0	.0	.0	7.3	003
1-2	.5	15.0	9.7	.0	.0	.0	25.2	
3-4	.0	8.7	15.5	.5	.0	.0	24.8	
5-6	.0	1.9	11.2	1.0	.0	.0	14.1	
7	.0	.5	12.1	3.9	.0	.0	16.5	
8-9	.0	.0	1.5	3.9	1.5	.0	6.8	
10-11	.0	.0	.0	1.5	1.0	1.0	3.4	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	•0	.0	.5	1.0	.5	.0	1.9	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								206
TOT PCT	4.4	29.6	50.5	11.7	2.9	1.0	100.0	

PERIO	0: (OV	ER-ALL	1 194	9-197	1				TABLE	19											
					PERCENT	FRE	QUENCY	OF WA	VE HEI	GHT (F	T) ys	WAVE P	ERIOD	(SECON	DS)						
PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	HEAN HGT
6-7	:7	5.7	10.4	5.7	3.2	3.2	1:5	.0	.0	:0	:0	.0	:0	:0	:0	:0	.0	.0	.0	111	
8-9	:0	.0	1.0	3.9	3.4	1.7	2.0	1.0	1.5	.0	:0	.0	:0	:0	:0	:0	.0	.0	:0	75	7
12-13	.0	.0	.2	.0	.2	.7	1.2	•0	.5	.0	.0	.0	.0	.0	.0	.0		.0	.0	12	. 9
1NDET	1.7	1.7	2.7	2.5	3.7	2.7	1.2	1.2	.5	.5	:0	.0	.0		:0	.0		:0	.0	75	10
PCT	2.5	8.1	20.2	21.0	19.8	11.9	8.4	3.5	16	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	6

PERIOD: (PRIMARY) 1910-1973 (QVER-ALL) 1855-1973

TABLE 1

AREA 0002 MADEIRA ISLANDS 32.6M 16.6M

PERCENT	FREQUENCY	OF	WEATHER	DCCURRENCE		WIND	DIRECTION
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				RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHENO	MENA	
WND DIR	RAIN	RAIN	DRZL	FRZG	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THOR	FOG WD PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	NO SIG WEA
N NE	:0	7:0	::	:0	:0	:0	.0	\$:1	1:3	1:2	1.9	:0	1.6	:0	84.9
	5.0	.7	1.4	.0	.0		.0	7.1	1.4	.0	1.4	.0	.0	.0	90.0
SE	3.0	5.0	.0	.0	.0	.0	.0	8.0	4.5	.0	5.0	.0	2.0	.0	80.6
5	2.3	.0	2.3	.0	.0	.0	.0	4.5	1.7	2.3	2.3	.0	.0	.0	89.2
SW	8.6	2.3	2.3	.0	.0	.0	.0	13.2	4.6	1.1	1.1	.0	2.3	.0	78.7
	3.5	1.8	.4	.0	.0	.0	.0	5.8	2.4	1.8	1.8	.0	.9	.0	88.2
NW	.5	6.1	.5	.0	.0	.0	.0	7.0	2.1	.0	1.9	.0	.9	.0	88.1
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	7.4	:0	3.7	:0	3.7	.0	85.2
TOT PCT	2.2	4.0	.9	.0	.0	.0	.0	7.1	5.6	.9	2,1	.0	1.5	.0	86.2

TABLE 2

PERCENT	PREGNENCA	OF	WEATHER	OCCURRENCE	BY HOUS	
TION TYPE					OTHER	WEAT

			,	RECIPI	TATIO	N TYPE			OTHER WEATHER PHENOMENA							
HOUR (GMT)	RAIN	RAIN	ORZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HATL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG NO PCPN PAST HR	SMOKE			
00603	1.6	2.7	1.1	.0	.0	.0	.0	5.4	3.3	1.1	2.7	.0	.5	.0	87.0	
90300	3.4	5.3	1.0	.0	.0	.0	.0	9.7	1.0	1.5	3.4	.0	2.9	.0	82.0	
12615	1.6	3.6	.5	.0	.0	.0	.0	5.9	3.6	.5	.5	.0	1.4	.0	88.2	
18621	1.7	3.8	1.3	.0	.0	.0	.0	6.7	2.1	.4	2.1	•0	.8	•0	88.2	
TOT PCT	2.1	3.9	.9	.0	.0	•0	.0	7.0	2.5		2.1	•0	1.4	.0	86.4	

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

				ED (KN										(GMT)				
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	FREQ	SPD	00	03	06	09	12	15	18	21	
N NE	.7	8.0	6.5	2.3	.2	.0		17.7	13.0	17.8	19.4		21.0		15.0	15.0		
E	.5	4.0	4.4	.4		.0		9.4	11.7	8.9	.0	8.5	11.4	10.6	10.0	9.4	8.6	
E SE	.5	2.0	2.1		.0	.0		5.0	11.5	4.2	.0			6.0				
S	.3	2.5	1.5	.5	.0	.0		4.8	11.1	3.8	.0	5.0	4.0	5.8	10.0	5.7	3.1	
SW	.6	3.8	3.5	1.4	.2	.0		9.4	13.1	10.0	11.1	7.5	5.6	9.5	10.0	12.7	9.2	
	.6	5.0	4.9	1.9	.3	.0		12.6	13.5	11.8	11.1	13.6	11.1	13.2	20.0	11.8	14.1	
NW	.8	6.3	5.1	1.8	.3	.0		14.2	12.7	16.7	.0	12.8	15.4	13.2	25.0	13.5	14.8	
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	4.0							4.0	.0	3.6	11.1	5.5		3.1	.0	3.1		
TOT DBS	180	805	788	220	25	0	2018		12.3	384	9	380	198	385	5	414	243	
TOT PCT	8.9	39.9	39.0	10.9	1.2	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

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	WIND	SPEED	(KNOTS)						HOU	R (GMT	1
0-6	7-16	17-27	28-40	41+	TOTAL	PCT		00	06	12	18
					ORS	FREQ	SPD	03	09	15	21
3.6	8.9	4.0	1.2	.0		17.7	13.0	17.8	20.1	16.7	15.9
3.4	12.7	5.5	1.2	.0		22.9	13.3	23.7	22.9	21.3	23.2
1.9	5.6		.1			9.4	11.7	8.7	9.5	10.6	9.1
				.0		5.0	11.5	4.1	3.8	6.1	5.9
							11.1	3.8	4.7	5.9	4.8
								10.0	6.8	9.5	11.4
									12.8	13.3	12.7
										13.4	14.0
				.0				.0	.0	.0	.0
	10										3.0
	975	443	88	5	2018		12.3			390	657
24.1	48.3	22,9	4.4	.2		100.0				100.0	
	3.6 3.4 1.9 1.2 1.4 2.7 3.5 4.0 487	3.6 8.9 3.4 12.7 1.9 5.6 1.2 2.7 1.4 2.4 2.4 4.3 2.7 5.5 3.5 6.3 0 0 4.0 4.87 975	3.6 8.9 4.0 3.4 12.7 5.5 1.9 5.6 1.8 1.2 2.7 .9 1.4 2.4 .7 2.4 4.3 2.4 2.7 5.5 3.6 3.5 6.3 3.9 .0 .0 .0 487 975 463	3.6 8.9 4.0 1.2 3.4 12.7 5.5 1.2 1.9 5.6 1.8 .1 1.2 2.7 .9 .2 1.4 2.4 .7 .1 2.4 4.3 2.4 .4 2.7 5.5 3.8 .6 3.5 6.3 3.9 .6 .0 .0 .0 .0 .0 487 975 463 88	3.6 8.9 4.0 1.2 .0 3.4 12.7 5.5 1.2 .0 1.9 5.6 1.8 1 * 1.2 2.7 .9 .2 .0 1.4 2.4 .7 .1 .0 2.4 4.3 2.4 .4 .1 2.7 5.5 3.6 .6 * 3.5 6.3 3.9 .6 * .0 .0 .0 .0 .0 .0 4.0 487 975 463 88 5	0-6 7-16 17-27 28-40 41+ TOTAL ORS 3.6 8.9 4.0 1.2 .0 3.4 12.7 5.5 1.2 .0 1.9 5.6 1.8 .1 + 1.2 2.7 .9 .2 .0 1.4 2.4 .7 .1 .0 2.4 4.3 2.4 .4 .1 2.7 5.5 3.8 .6 * 3.5 6.3 3.9 .6 * 3.5 6.3 3.9 .6 * 4.0 .0 .0 .0 .0 4.0 487 975 463 88 5 2018	0-6 7-16 17-27 28-40 41+ TDTAL PCT GRS FREQ 3.6 8.9 4.0 1.2 .0 17.7 3.4 12.7 5.5 1.2 .0 22.9 1.9 5.6 1.8 .1 * 9.4 1.2 2.7 .9 .2 .0 5.0 1.4 2.4 .7 .1 .0 4.8 2.4 4.3 2.4 .4 .1 9.4 2.7 5.5 3.8 .6 * 12.6 3.5 6.3 3.9 .6 * 12.6 3.5 6.3 3.9 .6 * 12.6 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0	0-6 7-16 17-27 28-40 41+ TOTAL PCT MEAN FREQ SPO 3.6 8.9 4.0 1.2 .0 17.7 13.0 3.4 12.7 5.5 1.2 .0 22.9 13.3 1.9 5.6 1.8 .1 # 9.4 11.7 1.2 2.7 .9 .2 .0 5.0 11.5 1.4 2.4 4.3 2.4 4.4 .1 9.4 13.1 2.7 5.5 3.6 6.6 # 12.6 13.5 3.5 6.3 3.9 6.6 # 11.2 12.6 13.5 3.5 6.3 3.9 6.6 # 11.2 12.6 13.5 1.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4	0-6 7-16 17-27 28-40 41+ TDTAL PCT MEAN OO OBS FREQ SPD 03 3.6 8.9 4.0 1.2 .0 17.7 13.0 17.8 3.4 12.7 5.5 1.2 .0 22.9 13.3 23.7 1.9 5.6 1.8 .1 * 9.4 11.7 8.7 1.2 2.7 .9 .2 .0 5.0 11.5 4.1 1.4 2.4 .7 .1 .0 4.8 11.1 3.8 2.4 4.3 2.4 .4 .1 9.4 13.1 10.0 2.7 5.5 3.8 .6 .6 * 12.6 13.5 11.8 3.5 6.3 3.9 .6 * 14.2 12.7 16.3 3.5 6.3 3.9 .6 * 14.2 12.7 16.3 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	0-6 7-16 17-27 28-40 41+ TDTAL PCT MEAN 00 06 3.6 8.9 4.0 1.2 .0 17.7 13.0 17.8 20.1 3.4 12.7 5.5 1.2 .0 22.9 13.3 23.7 22.9 1.9 5.6 1.8 .1 * 9.4 11.7 8.7 9.5 1.2 2.7 .9 .2 .0 5.0 11.5 4.1 2.8 1.4 2.4 .7 .1 .0 4.8 11.1 3.8 4.7 2.4 4.3 2.4 .4 .1 9.4 13.1 10.0 6.8 2.7 3.5 3.8 .6 * 12.6 13.5 11.8 12.8 3.5 6.3 3.9 .6 * 12.6 13.5 11.8 12.8 3.0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0-6 7-16 17-27 28-40 41+ TOTAL PCT MEAN 00 06 12 3.6 8.9 4.0 1.2 .0 17.7 13.0 17.8 20.1 16.7 3.4 12.7 5.5 1.2 .0 22.9 13.3 23.7 22.9 21.3 1.9 5.6 1.8 .1 * 9.4 11.7 8.7 9.5 10.6 1.2 2.7 .9 .2 .0 5.0 11.5 4.1 3.8 6.1 1.4 2.4 .7 .1 .0 4.8 11.1 3.8 4.7 5.9 2.4 4.3 2.4 .4 .1 .9 4.1 3.1 10.0 6.8 9.5 2.7 3.5 3.8 6.6 * 12.6 13.5 11.8 10.0 6.8 9.5 2.7 3.5 3.8 6.6 * 12.6 13.5 11.8 12.8 13.3 3.5 6.3 3.9 6.6 * 12.6 13.5 11.8 12.8 13.3 3.5 6.3 3.9 6.6 * 14.2 12.7 16.3 13.7 13.4 6.0 4.0 0.0 3.8 5.7 3.1 4.7 4.7 5.9 4.7 5.9 4.7 5.9 4.7 5.9 4.7 5.9 5.0 6.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0

-	4	•	

PERIOD: (PRIMARY) 1910-1973 (OVER-ALL) 1855-1973

TABLE 4

AREA 0002 MADEIRA ISLANDS 32.6N 16.6W

PERCENTAGE	FREQUENCY	OF	WIND	SPEED	HOUR	(GMT)	

HOUR	CALM	1-3	4-10		SPEED (48+	HEAN	PCT	TOTAL
60300	3.8	4.3	42.7	38.2	9.4	1.5	.0	12.2	100.0	393
90300	5.7	6.1	37.0	39.3	10.7	1.2			100.0	578
12615	3.1	5.6	30.5	41.0	10.5	1.3			100.0	390
18621	3.0	4.0	41.6	36.2	12.2	1.1			100.0	657
TOT	80	100	805	798	220	25	0	12.3		2018
PCT	4.0	5.0	30 0	39.0	10.0	1.2	•		100 0	

TABLE 5

TABLE 6

•	CT FRE			CLOUD A		(EIGHTHS)			PERCEN	TAGE F	REQUEN	CY OF	CEILIN	G HETO	HTS (T,NH	24/8) DN	
WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL DOS	CLOUD	000	150	300 599	600 999	1000	2000	3500 4999	5000 6499	6500 7999	8000+	NH <5/8	
N	5.1	3.4	6.4	3.1		4.5	.0	.2	.0	1.8	2.8	2.1	.4	.4	.0	.0	10.2	
NE	6.4	2.7	7.0	3.9		4.4	.2	.0		1.3	2.3	3.6	1.1	.2	.2	.0	11.0	
E	3.1	1.6	2.8	1.2		3.9	.0	.0	.1	.3	. 8	1.0	.4	.0	.0	.0	6.0	
SE		1.1	2.4	1.3		5.4	.0	.0	.0	.6	1.1		.3	.4	.0	.0	2.7	
S	1.2	1.1	2.2	1.8		5.0	.0	.0	.0	.3	1.2	.8	.3	.3	.0	.0	3.5	
SW	2.3	2.5	3.5	2.5		4.8	.0	.0	.4		1.6	.3	.6	.1	.0	.2	6.9	
	3.7	2.8	4.9	2.4		4.5	.0	.0	.3	1.0	1.6	1.0	.7	.3	.0	.2	8.8	
NW	3.6	3.2	4.4			4.1	.0	.0		.6	2.0	.4			.0	.4	8.7	
VAR	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	1.6	.4	1.2	.7		4.0	.0	.0	.0	.4	.2	.4	.0	.2	.0	.0	2.8	
TOT OBS	156	106	197	104	563	4.5	1	1	5	39	76	58	26	11	1	4	341	563
TOT PCT	27.7	18.8	35.0	18.5	100.0		.2		.9	6.9	13.5	10.3	4.6	2.0		.7	60.6	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANFOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NH)

				VSBY (NE	1)			
CEILIN	. OR	- OR	. OR	. DR	. OR	. OR	. OR	- DR
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
- DR >650		1.1	1.1	1.1	1.1	1.1	1.1	1.1
- OR >5000	3.0	3.0	3.2	3.2	3.2	3.2	3.2	3.2
- DR >3500	6.5	7.2	7.6	7.6	7.6	7.6	7.6	7.6
. OR >200	13.7	16.5	17.6	17.8	17.0	17.8	17.8	17.8
. OR >100		29.7	31.3	31.5	31.5	31.5	31.5	31.5
- DR >600		35.9	37.4	37.8	37.8	38.1	30.1	30.1
- DR >300		36.9	30.5	38.8	38.8	39.2	39.2	39.2
. OR >150		37.1	38.7	39.0	39.0	39.4	39.4	39.4
. DR > 0	30.2	37.1	38.7	39.0	39.0	39.4	39.4	39.4
TOTAL	172	211	220	222	222	224	224	224

TOTAL NUMBER OF OBS: 569

PCT FREQ NH <5/8: 60.6

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0 1 2 3 12.4 12.6 12,1 11.8 10.1 10.1 9.6 6.8 14.3

MARCH

PERIOD:	(PRIMARY)	
	(AVER-ALL)	1466-1079

TABLE 8

AREA 0002 MADEIRA ISLANDS 32.6N 16.6M

		,	ERCENT						ALUES				E OF
VSBY (NM)		N	NE		SF	5	SW		NW	VAR	CALM	PCT	TOTAL
	PCP	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.1	
<1/2	NO PCP	.1		.0	.0	.0	.0	.0	.0	.0	.0	.1	
	TOT \$.1		.0	.0	.0	- 1	.0	.0	.0	.0	.2	
	PCP	.0	.0	:1 :1	:1	.0	.0	.0	.0	.0	.0	.1	
1/2<1		.0	.2	.1	.3	:1	.1	:1	.0	.0	.0	1.0	
	TOT &	.0	.2	.1	.4	.1	•1	.1	.0	.0	.0	1.1	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	NO PCP	.1	.2	.0	.0	.0	.0	.0	.0	.0	.1	.5	
	TOT &	.1	.2	.0	.0	.0	.0	.0	.0	.0	.1	.5	
	PCP	:3	:0	:0	.0	:1	.2	.0	.0	.0	.0		
245	NO PCP				.2	.2	.1	.1		.0	.0		
	TOT \$.3	.3	.0	.2	.3	.3	.1	•	.0	.0	1.5	
	PCP	1.4	.7	.6	.4	.1	.8		.9	.0	.0		
5<10	NO PCP	4.3	5.7	2.3	1.7	.9	2.1	4.2	3.8	.0	.6		
	TOT &	5.7	6.5	2.9	2.2	1.0	2.9	5.0	4.7	.0	.6	31.4	
	PCP	.2	.3	5:5	.0	.0	.2	8:0	.0	.0	.0	.7	
10+	NO PCP	12.3	12.9	5.5	3.5	4.0	6.9		8.4	.0	2.6		
	TOT &	12.5	13.2	5.5	3.5	4.0	7.2	8.6	8.4	.0	2.6	65.3	
	TOT 085												816
	TOT PCT	18.7	20.4	8,5	6.2	5.4	10.7	13.8	13.1	.0	3.3	100.0	

TABLE 9

				PERCEN	T FREQ	ARYING	VALUE	S OF	ISIBIL	ND SPE	ED		
VSBY (NM)	SPD	N	NE	•	SE	s	SW		NW	VAR	CALM	PCT	TOTAL
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	.1		.0	.0	.0	.0	.0	.0	.0		.1	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.1	.0	.0	.0		.1	
	TOT \$.1		.0	.0	.0	.1	.0	.0	.0	.0	.5	
	0-3	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.1	
1/2<1	4-10	.0	.2	.1	.2	.0	.0	.1	.0	.0		.6	
	11-21	.0	.0	.0	.0	.0	.1	.0	.0	.0		.1	
	22+	.0	.0	.0	.1	.0	.0	.0	.0	.0		.1	
	TOT \$.0	.2	-1	.3	.1	.1	.1	.0	.0	.0	.8	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1		
1<2	4-10	.1	.1	.0	.0	.0			.0	.0		.2	
	11-21	.1	.1	.0	.0	.0	.0	.0	.0	.0		.2	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.1	.2	.0	.0	.0			.0	.0	.1	.5	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	
245	4-10	.0	.0	.0	.0	.1	.2	.1	.1	.0		.5	
	11-21	.1	.2	.0	.1	.1	.2	.1		.0		.8	
	22+	.1	1	.0	.0	.0	:1	.0		.0	-1.3	.3	
	TOT %	.5	.3	.0	.1	.2	.5	.2	.1	.0	.1	1.7	
	0-3	.1	.2	.3	.2	.0	.1	.1	.3	.0	.7		
5<10	4-10	1.7	1.6	1.0	.5	.2	.8	1.3	1.0	.0		8.0	
	11-21	2.2	2.9	1.0	.8	.5	1.1	1.5	1.7	.0		11.6	
	22+	.5	.6	.1	.2	.1	.6	1.1	1.0	.0		4.1	
	TOT %	4.4	5.3	2.4	1.7	.8	2.7	4.0	4.0	.0	.7	25.9	
	0-3	.4	5:0	2:3	.4	.2	2.5	.4	.6	.0	2.7	5.9	
10+	4-10	5.9	5.9	2.9	1.6	2.4	2.9	3.6	4.4	.0		29.8	
	11-21	5.1	7.7	2.7	1.4	1.0	2.7	4.0	4.2	.0		28.9	
	22+	1.2	.9	.3	.1	.2	1.0	1.2	1.5	.0	-	6.4	
	TOT \$	12.7	15.0	6.3	3.5	3.8	7.0	9.3	10.7	.0	2.7	71.0	
	TOT 085	17.5	20.9	4.7					14.8		More	100.0	1244
					8.4	4.0	10.4			-0			

HARCH

PERIOD: (PRIMARY) 1910-1973 (OVER-ALL) 1855-1973

TABLE 10

AREA 0002 MADEIRA ISLANDS 32.6N 16.6W

PERCENT	FREQUENCY OF	CEILING	HE I GHTS	(FEET, NH	>4/81	AND
			H <5/8 81			

						-	4000	Access to the second	-	The state of the s			
HOUR (GMT)	000	150	300 599	600 999	1000	2000 3499	3500 4999	5000	6500	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
60300	.0	.0	.0	7.1	15.7	9.3	2.9	2.1	.7	1.4	39.3	60.7	140
06609	.8	.8	.8	12.3	13.9	9.0	4.9	4.1	.0	.8	47.5	52.5	122
12615	.0	.0	1.8	4.7	14.8	10.7	4.1	.6	.0	1.2	37.9	62.1	169
18621	.0	.0	1.3	3.9	9.7	11.6	5.8	1.9	.0	.0	34.2	65.8	155
TOT	.2	.2	1.0	6.7	13.5	10.2	26	2.0 -	.2	.9	230	356 60.8	586 100.0

TABLE 1

TABLE 1

				TABLE	11						TABLE	12		
		PERCENT	FREQUEN	CY VSB	(NM)	BY HOUR		CUMULAT	TVE PCT	FREQ G HGT	OF RAN	GES UF NH >4/8	VSBY (NH)	AND/OR
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL DBS
00603	.0	.7	.0	2.6	20.2	76.4	267	60300	.0	.0	9.4	30.4	60.1	138
06609	.3	1.2	.9	1.8	29.0	66.9	338	90300	.0	2.7	17.0	30.4	52.7	112
12615	.3	.3	1.0	2.1	24.4	71.8	291	12615	.0	2.4	9.0	29.5	61.4	166
18621	.0	1.1	.0	1.1	29.3	68.6	376	18621	.0	1.3	5.9	28.8	65.4	153
TOT	.2	11	.5	23	333	897 70.5	1272	TOT	.0	1.6		169	344 60.5	569 100.0

TABLE 13

TABLE 14

RCENT FREQUENCY OF WIND DIRECTION BY T

	PERC	ENT FR	EQUENC	Y OF R	ELATIV	-	DITY B	Y TEMP	TOTAL	PCT		PERCE	NT FR	EQUENCY	OF 1	WIND DI	RECTIO	N BY TE
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100		FREQ	N	NE	E	SE	s	SW		NW
70/74	.0	.0	.0	.4	3.1	1.1	.2	4:3	13	2.3	.5	3.5	.4	2.5	.2	4:4	.1	.2
65/69	.0	.0	.4	1.1	3.1	6.8	9.2	4.3	138	24.9	1.9	3,5	2.7	2.5	1.6	4.4	5.4	1.8
60/64	.0	.0			12.8	18.4	19.5	7.7	341	61.4	11.4	13.9	3.7	3.1	3.4	6.4	8.7	8.0
55/59	.0	.0	.0	.9	4.1	3.4	2.3	.5	63	11.4	2.9	3.2	1.2	.1	.1	.0	.6	2.6
TOTAL	0	0	3	29	114	165	173	71	555	100.0					100			
PCT	.0	.0	.5	5.2				12.8			16.6	20.9	7.9	6.0	5.3	11.2	14.9	12.7

TABLE 15

	MEANS,	EXTREM	ES AND	PERCEN	ITILES	OF TE	MP (DE	G F) B	Y HOUR		PERC	ENT FRE	QUENCY	OF RELA	TIVE H	UMIDITY	BY HOU	
HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS	HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
60300 90300	72	67	65	61	57	55	54	61.1	394	00603	.0	5.4	15.4	28.5	33.1	17.7	79	130
90300	70	66	64	61	57	55	51	60.8	565	90300	.0	2.2	19.4	27.6	37.3	13.4	79	134
12615	75	73	69	63	59	56	50	63.7	377	12615	.0	8.3	28.0	30.6	24.2	8.9	74	157
18821	74	71	68	63	58	57	56	63.0	642	18621	.0	6.8	20.9	31.8	29.7	10.8	76	148
TOT	75	70	67	62	57	55	50	62.1	1978	TOT	0	33	121	169	175	71	77	569

MARCH

PER100: (PRIMARY) 1910-1973 (OVER-ALL) 1855-1973

TABLE 17

AREA 0002 MADEIRA ISLANDS 32.6N 16.6W

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE DCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

- 17 17		and a			C. C.					
AIR-SEA	49	53	57	61	65	69	73	TOT		WO
THP DIF	52	56	60	64	68	72	76		FOG	FOG
9/10	.0	.0	.0	.0	.0	.1	.0	1 6	.0	:1
7/8	.0	.0	.0	.0	.1	.5	.1	6	.0	.8
	.0	.0	.0	.3	. 8	.5	.0	12	.0	1.6
5	.0	.0	.0	.1	1.3	.9	.0	18	.0	2.3
	.0	.0	.1	.5	1.0	.4	.0	16	.0	2.1
3	.0	.0	.0	.0	3.8	.5	.0	42	.0	5.2
2	.0	.0	.0	2.6	3.8	.3	.0	53	.3	6.6
3 2 1	.0	.0	.0	5.1	3.6	.4	.0	70	.5	8.5
0	.0	.0	.9	13.0	3.1	.1 .5 .9 .4 .0 .0	.0	131	.3	16.7
-1	.0	.0	1.8	10.2	1.7	.0	.0	106	.0	13.7
-2	.0	.1	4.1	8.7	1.0	:0	.0	108	.3	13.7
-3	.0	.1	5.4	6.5	.3	.0	.0	95	.1	12.2
-4	.0	.1	3.4	2.6	.3	.0	.0	108 95 49	.1	6.2
-1 -2 -3 -4 -5 -7/-8	.0	:1	2.3	.9	.0	.0	.0	28	:1	6.2
-6	.0	.4	1.3	.5	.0	.0	.0	17	.0	2.2
-7/-8	.0	:3	1.3	.5	.0	.0	.0	16	.0	2.1
-4/-10	.0	.1	.0	.1	.0	.0	.0	2	.0	.3 .3 757
-11/-13	.1	.0	.0	.1	.0	.0	.0	2 2	.0	.3
TOTAL	1		162		160		1		15	757
	1	12	127	408		28		772		
PCT	.1	1.6	21.0	52.8	20.7	3.6	.1	100.0	1.9	98.1

PERIOD: (OVER-ALL) 1963-1973

				PC	T FREQ	OF WIND	SPFED	(KTS)	AND DIRE	CTION V	ERSUS S	EA HEIG	HTS (FT	•	
				N								NE			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	1.1	.7	.0	.0	.0	2.1		.5	.6	.0	.0	.0	.0	1.0
1-2	.3	3.5	1.0	.0	.0	.0	4.8		.1	4.8	3.2	.0	.0	.0	8.1
3-4	.0	1.4	1.9	.4	.0	.0	3.7		.0	2.1	5.4	.0	.0	.0	7.5
5-6	.0	1.1	3.5	.3	.0	.0	5.0		.0	.8	4.2	.1	.0	.0	5.1
7	.0	.3	.4	.3	.0	.0	1.0		.0	.4	1.1	.9	.0	.0	2.4
8-9	.0	.0	.0	.6	.0	.0	.6		.0	.0	.4	.6	.0	.0	1.0
10-11	.0	.0	.0	.7	.0	.0	.7		.0	.0	.0	.1	.0	.0	.1
12	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.4		.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0		.0
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
TOT PCT	.6	7.5	7.8	2.2	.0	0	18.1		.6	8.6	14.4	1.6	.0	.0	25.2
							••••			•••					
HGT	1-3	4-10	11-21	E 22-33	34-47				1-3	4-10	11-21	22-33	34-47	48+	PCT
<1						48+	PCT								
1-2	.4	1.0	:0	.0	.0	.0	8		.0	.8	:0	.0	.0	.0	1.6
3-4	.0	.3	1.7	.0	.0	.0	1.4		.4	1.2	1.7	.0	.0	.0	3.0
5-6	.0	.0	1.6	.8	.0	.0	2.0		.0		1.7	.0	.0	.0	.8
7	.0	.0	.0	.0	.0	.0	2:0		:0	.1	. 8	.8	.0	.0	1.5
8-9	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
87+	.0	0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
TOT PCT	.4	1.7	3.7	.8	.0	.0	6.6		.4	3.0	3.5	.8	.0	•0	7.6

PERIOD:	INVE	R-4111	1963-1	973					MAI	RCH				AREA	0002	MADETRA	ISLANDS
			.,,,,					TABLE	18	(CONT)				ANEA	32.		.OW
				PC	T FREQ OF	WIND	SPEED	(KTS)	AND	DIREC	TION	VERSUS S	EA HEIG	HTS (FT			
				5									SW				
HGT <1	1-3	1.0	11-21	22-33	34-47	48+	PCT			1-3	4-10		22-33	34-47	48+	PCT	
1-2	.0	2.1	.0	.0	.0	.0	2.5			.0	1.0		.0	.0	.0	1.5	
3-4	.0	.3	1.1	.4	.0	.0	1.8			.0	1.9		.4	.0	.0	4.1	
5-6	.0	.3		.0	.0	.0	.9			.0	.1		.5	.0	.0	1.2	
7	.0	.0	.4	.0	.0	.0	.4			.0	.1		.0	.0	.0	.1	
8-9	.0	.0	.0	.0	.0	.0	.0			.0	.0		.1	.0	.0	.1	
10-11	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.4	.0	.4	
13-16	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
TOT PCT	.4	3.0	2.5	.4	.0	.0	6.9			.5	4.4	2.5	1.0	.4	.0	8.7	
							***									•••	
				w									NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT			1-3	4-10		22-33	34-47	48+	PCT	PCT
1-2	.3	1.0	.0	.0	.0	.0	1.2			.4	1.0		.0	•0	.0	1.5	
3-4	.0	1.0	2.2	.0	.0	.0	2.9			.0	3.0		.0	.0	.0	3.3	
5-6	.0	1.4	1.5	.0	.0	.0	3.2			.0	1.1		.4	.0	.0	2.1	
7	.0	.3		.0	.0	.0	.3			.0	.1		1.5	.0	.0	1.6	
8-9	.0	.0	.0	.7	.0	.0	:7			.0	.0		.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0			.0	.0		.4	.0	.0	.8	
12	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.4	
17-19	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
87+	.0	.0	.0	.0	•0	.0	.0			.0	.0		.0	.0	.0	.0	
TOT PCT	.3	4.4	4.1	1.0	.0	.0	9.7			.4	5.7	5.7	2.3	.0	.0	14.1	96.9

	MIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	6.1	6.8	.8	.0	.0	.0	13.6	003
1-2	1.1	17.4	6.1	.0	.0	.0		
3-4	•0	8.3	17.0	1.5	.0	.0	26.9	
5-6	.0	4.9	15.9	1.9	.0	.0	22.7	
7	.0	1.1	2.7	3.4	.0	.0	7.2	
8-9	.0	.0	.4	1.9	.0	.0	2.3	
10-11	.0	.0	.4	1.1	.0	.0	1.5	
12	.0	.0	.0		.4	.0	*.4	
13-16	.0	.0	.8	.0	.0	.0	.8	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-00	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86		.0	.0	.0	.0	.0		
87+	•0	.0	.0	.0	.0	.0	.0	
014	•0	.0		.0	.0			264
TOT PCT	7.2	38.6	43.9	9.8	.4	.0	100.0	204

TABLE 1

AREA 0002 MADEIRA ISLANDS 32.6N 16.6W

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHENDI	MENA	
HND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	
N NE	1.5	5.9	:5	.0	.0	.0	.0	7.7	2.9	:1	:7	:0	1:5	.0	88.3
E SE	4.7	2.3	.0	.0	.0		.0	7.0	.0	3.5	5.8	.0	.0	.0	87.1
Sw	7.9	.0	5.3	.0	.0	.0	.0	13.2	.0	.0	.0	.0	2.4	.0	86.8
NW.	1.4	10.0	2.4	.0	.0	.0	.0	11.4	5.4	.0	5.0	.0	3.2	.0	75.0
VAR CALM	.0	••0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT TOT OBS:	2.0 701	4.0	.9	.0	.0	.0	.0	7.4	2.1	.4	1.3	.0	1.1	.0	87.9

TABLE 2
PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUK

						.nc.									
			P	RECIPI	TATIO	OTHER	MENA								
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	
00603	2.1	3.4	.7	.0	.0	.0	.0	6.2	3.4	.7	.7	.0	1.4		88.4
90369	3.0	5.4	1.5	.0	.0	.0	.0	9.9	3.0	1.0	2.0	.0	.5	.0	84.2
12615	.5	2.4	.9	.0	.0	.0	.0	3.8	.9	.5	1.4	.0	.5	.0	92.9
18621	2.2	7.3	.0	.0	.0	•0	.0	9.5	1.1	.0	1.7	.0	2.2	.0	85.5
TOT PCT	1.9	4.6	.8	.0	.0	•0	.0	7.3	2.0	.5	1.5	.0	1.1	.0	87.8

TABLE 3

					LIIIAGE	. WE GOE											
		WI	ND SPE	ED (KN	OTS)								HOUR	(GHT)			
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	FREQ	MEAN	00	03	06	09	12	15	18	21
N NE	1.0	9.2		2.8		.0		24.4	12.8	26.2	.0		24.6		55.0		
E	.5	3.7	3.1	.4		.0		7.6	11.2	6.9	.0			8.0	15.0		
SE	.3	2.0	.9		.0	.0		3.3	8.9	3.3	.0	3.6	3.8	3.8	.0	2.8	2.4
S	.4	1.8	.7			.0		2.9	9.0	1.7	.0	3.0	2.3	3.2	.0	4.4	2.6
SW	.6	3.2	3.1	.8	.1	.0		7.7	12.3	8.6	25.0	7.0	7.2	8.9	.0	7.6	6.3
W	.9	4.6	4.2	1.5		.0		11.4	12.8	9.8	25.0	11.5	10.9	11.5	.0	12.0	13.1
NW	1.1	6.1	6.1	1.6		.0		15.2	12.5	14.9	50.0	13.7	14.3	14.3	5.0	18.0	15.5
VAR	.0	.0	.0	.0		.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	3.2							3.2	.0	3.9	.0	4.2	2.6	2.5	.0	2.1	4.1
TOT OBS	181	832	857	203	17	0	2090		12.0	383	4	401	235	403	5	388	271
TOT PCT	8.7	39.8				-0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100-0

-	A D	_	2	Á

WND DIR	0-6	WIND 7-16	SPEED 17-27	(KNOTS) 28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N NE	4.2	13.3	6.4	.5	.0		24.4	12.8	25.9	24.8	24.5	23.0
E	1.7	4.5	1.3	.1	.0		7.6	11.2	6.8	7.9	8.1	7.5
SE	1.3	1.7	.3	.0	.0		3.3	8.9	3.3	3.7	3.7	2.6
S	1.2	1.4	.2	.1	*		2.9	9.0	1.7	2.8	3.2	3.7
SW	2.0	3.7	1.8	.1	.1		7.7	12.3	8.7	7.1	8.8	7.1
W	3.1	4.9	2.7	.7			11.4	12.8	9.9	11.3	11.4	12.4
NW	3.9	6.9	3.7	.6	.0		15.2	12.5	15.2	13.9	14.2	17.0
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	3.2						3.2	.0	3.9	3.6	2.5	2.9
TOT OBS	516	1030	483	57	4	2090		12.0	387	636	408	659
TOT PCT	24.7	40 3	22 1	2 7	. 2		100-0		100-0	100.0	100.0	100.0

APRIL

PERIOD: (PRIMARY) 1904-1973 (UVER-ALL) 1854-1973

TABLE 4

AREA 0002 MADEIRA ISLANDS 32.6N 16.6W

PERCENTAGE	FREQUENCY	DF	WIND	SPEED	BY	HOUR	(CMT

HOUR	CALH	1-3	4-10	W1ND 11-21	SPEED (34-47	48+	MEAN	PCT	TOTAL
00603	3.9	6.5	39.5	39.8	9.6		.0	11.8	100.0	387
90300	3.6	5.2	41.2	39.6	9.7	.6	.0	11.8	100.0	636
12615	2.5	6.1	34.8	40.6	9.8	.2	.0	12.3	100.0	408
18621	2.9	4.7	41.7	39.6	9.7	1.4	.0	12.0	100.0	659
TOT	67	114	832	857	203	17	0	12.0		2090
PCT	3.7	5.5	39 A	41.0	9.7	. 8	.0		100.0	

TABLE 5

TABLE 6

,	CT FRE			LUUD A		EIGHTHS)		5 1					CEILIN NH <5/					
WND DIR	0-5	3-4	5-7	8 & 085CD	TOTAL	COVER	000 149	150	300 599	600 999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	
N	8.5	7.4	11.2	4.3		4.4	.2	.0	.0	2.3	3.5	2.4	1.8	.3	.3	.4	20.2	
NE	6.7	5.4	10.0	6.0		4.9	.2	.0	.2	2.3	6.0	3.0	1.7	.6	.1	.0	14.0	
E	1.0	.9	1.5	1.1		5.0	.0	.0	.2	.0	.5	.2	.0	.1	.0	.2	3.4	
SE	.3	.6	.5	.4		5.3	.0	.0	.0	.0	.2	.2	.0	.4	.0	.1	.9	
5	.4	.7	1.2	.2		4.7	.0	.0	.0	.2	.2	.0	.0	.2	.0	.0	1.9	
SW	.9	1.5	2.0	1.3		4.8	.0	.0	.0	.2	.7	.4	.2	.0	.0	.0	4.3	
*	2.8	3.3	2.6	1.1		4.0	.0	.0	.0	.6	1.1	.4	.0	.2	.0	.0	7.5	
NW	4.8	2.8		1.6		4.0	.1	.0	.2	.6	1.5	1.2	.8	.1	.2	.0	9.5	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.2	1.0	.6	.2		4.6	.0	.0	.0	.0	.2	.0	.2	.0	.0	.0	1.6	
TOT DBS	125	115	169	79	488	4.5	2	0	3	30	68	38	23	9	3	3	309	488
TOT PCT	25.6	23.6	34.6	16.2	100.0		.4	.0	.6	6.1	13.9	7.8	4.7	1.8	.6	.6	63.3	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANFOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NH)

					VSBY (NM)			
C	EILING	- DR	- DR	- OR	= DR	. nR	- DR	- DR	· DR
(1	FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
OR	>6500	1.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2
OR	>5000	2.6	3.0	3.0	3.0	3.0	3.0	3.0	3.0
OR	>3500	6.5	7.7	7.7	7.7	7.7	7.7	7.7	7.7
OR	>2000	12.6	15.0	15.2	15.2	15.2	15.2	15.2	15.2
DR	>1000	24.1	28.6	29.0	29.0	29.0	29.0	29.2	29.2
OR	>600	29.8	34.7	35.1	35.3	35.3	35.3	35.5	35.5
OR	>300	30.2	35.3	35.7	35.9	35.9	35.9	36.1	36.1
DR	>150	30.2	35.3	35.7	35.9	35.9	35.9	36.1	36.1
DR	> 0	30.2	35.5	36.1	36.3	36.3	36.3	36.5	36.5
	TOTAL	149	175	178	179	179	179	180	180

TOTAL NUMBER OF OBS: 493

PCT FPEQ NH <5/8: 63.5

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 0BSCD 0BS 6.9 10.9 19.5 14.3 11.3 8.0 8.8 9.0 11.3 .2 524

				-	
1	A	D	L	E	

		P	ERCENT	PREC	IPITAT	DIRE	TH VAR	YING Y	ALUES	DR N	IBILI	TY	E OF
VSBY (NM)		N	NE	E	SE	5	SW	*	NW	VAR	CALM	PCT	TOTAL
	PCP	.1	.0	.0	.0	.0	.0	.0	.1	.0	.0	.3	
1/2	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT &	.1	.0	.0	.0	.0	.0	.0	.1	.0	.0	.3	
	PCP	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.3	
/2<1	NO PCP	.2	.1	.1	.0	.0	.0	.4	.1	.0	.0	1.0	
	TOT &	.2	.1	.3	.1	.0	.0	.4	.1	.0	.0	1.3	
	PCP	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.1	
<2	NO PCP	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	
	TOT &	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.3	
	PCP	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	
<5	NO PCP	.6	.2	.0	.0	.0	.0	.1	.2	.0	.0	1.1	
	TOT %	.6	.4	:0	.0	.0	.0	:1	.2	.0	.0	1.3	
	PCP	1.8	.5	.3	.2	.1	.4	.7	.6	.0	.0	4.7	
<10	NO PCP	5.7	7.0	1.7	.9	.5	2.0	2.7	3.8	.0	.1	24.3	
	TOT *	7.5	7.5	2.0	1.1	.6	2.4	3.4	4.4	.0	.1	29.0	
	PCP	.4	.4	.0	.1	.2	.0	.4	.4	.0	.0	1.9	
0+	NO PCP	20.2	20.1	3:0	1.3	1.9	3.4	5.5	8.4	.0	1.3	66.0	
	TOT %	20.6	20.5	3.9	1.4	2.1	3.4	6.0	8.8	.0	1.3	67.8	
	TOT OBS												699
	TOT PCT	29.0	28.7	6.1	2.6	2.7	6.0	9.9	13.6	.0	1.4	100.0	

TABLE 9

									ISIBIL		ED		
VSBY (NM)	SPD KTS	N	NE	E	SE	s	SW	W	NW	VAR	CALM	PCT	TOTAL
(Mu)	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	503
<1/2	4-10	.1	.0	.0	.0	.0	.0	.0	.0	.0		.1	
	11-21	.0	.0	.0	.0	.0	.0	.0	.1	.0		.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.1	.0	.0	.0	.0	.0	.0	.1	.0	.0	•2	
	0-3	.0	.0	.0	.0	.0	.0	.1		.0	.0	.2	
1/2<1	4-10	.1	.1	.1		.0	.0	.0	.0	.0		.3	
	11-21	.0	*	.1		.0	.0	.1	.1	.0		. 3	
	22+	*	.0	.0	.0	.0	.0	.0		.0		.1	
	TOT %	•1	.2	• 2	.1	.0	.0	.2	.2	.0	.0	.9	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	
1<2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.1	.0	.0	.0	.1	.0	.0	.0		.2	
	22+	.1	.0	.0	.0	.0	*	.1	.0	.0		.3	
	TOT %	•1	.1	.0	•0	.0	.1	.1	.0	.0	.2	.6	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	4-10	.1	.2	.0	.0	.1	.1	.0	.0	.0		.4	
	11-21	.1	.1	.0	.0	*	.3	.1	.2	.0		.9	
	22+	.1	*	*	.0	.0	.1	.0	.1	.0		. 4	
	TOT *	.4	.3	*	.0	•1	.5	.1	.3	.0	.0	1.7	
	0-3	.2	.3		.1	.2	.1	.1	.2	.0	.3	1.4	
5<10		1.7	1.8	.8	.5	.4	1.0	.4	.8	.0		7.4	
	11-21	2.6	2.8	.9	• 2	.2	.6	1.5	1.6	.0		10.5	
	22+	.7	1.1	.1	.0	.0	.2	.5	.9	.0		3.6	
	TOT \$	5.2	6.0	1.8	. 8	. 8	2.0	2.5	3.4	.0	.3	22.8	
	0-3	.5	.6	.3	.2	.3	.6	.4	1.0	.0	2.8	6.8	
10+	4-10	8.2	6.8	2.8	1.4	1.5	2.3	3.6	5.1	.0		31.8	
	11-21	8.1	9.1	2.3	.6	.5	1.7	2.7	4.1	.0		29.2	
	22+	1.8	1.7	2	.0	.0	.3	9	1.1	.0	2.8	73.8	
	TOT *	18.7	18.3	5.7	2.2	2.3	4.9	7.6	11.3	.0	2.0	13.8	
	TOT OBS					The second							1167
	TOT PCT	24.5	24.9	7.7	3.1	3.2	7.5	10.6	15.2	.0	3,3	100.0	

APRIL

PERIOD: (PRIMARY) 1904-1973 (OVER-ALL) 1854-1973

TABLE 10

AREA 0002 MADEIRA ISLANDS 32.6N 16.6W

DEDCENT	FREQUENCY	20	CETI INC	METCHTC	(EEET.NU	34/81	AND
LEWCLIAI	LKENOEUC.	Ur	CETFING	HE TOHIS	T. CE I YIM	.4.0.	AITU

HOUR (GMT)	000	150 299	300 599	600	1000	2000 3499	3500 4999	5000	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL
00603	.0	.0	.0	7.8	10.4	6.1	1.7	1.7	.0	.0	27.8	72.2	115
90360	1.6	.0	.8	7.1	21.4	0.3	1.6	1.6	1.6	.8	42.9	57.1	126
12615	.0	.0	.6	6.4	10.9	9.6	7.1	2.6	.6	.6	38.5	61.5	156
18621	.0	.0	.9	2.7	11.5	7.1	7.1	.9	.0	.9	31.0	69.0	113
TOT	.4	.0	.6	6.1	13.5	7.5	4.5	1.8	.6	3	181	329 64.5	510

TABLE 11

TARIE 1

		PERCENT	FREQUEN	CY VSBY	(NH)	BY HOUR		CUMULAT					VSBY (NM)),BY HOUR	
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL
00603	.8	.8	.4	3.0	20.8	74.2	236	00603	.0	.9	11.1	19.4	69.4	108
06609	.0	1.2	.0	2.9	26.5	69.4	340	90300	1.6	2.4	13.0	33.3	53.7	123
12615	.0	.4	.4	.4	23.7	75.3	283	12615	.0	.7	7.3	31.8	60.9	151
18621	.0	1.7	1.4	.6	24.3	71.9	345	18621	.0	.9	4.5	27.9	67.6	111
TOT	.2	13	.6	20	290	872 72.4	1204	TOT PCT	.4	1.2	8.9	141 28.6	308 62.5	493 100.0

TARIE 12

TABLE 14

	PERC	ENT FR	EQUENC	Y OF R	ELATIV	E HUMI	DITY B	Y TEMP				PERC	ENT FR	EQUENC	Y OF W	IND DI	RECTIO	N BY T	EMP	
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	OBS	FREQ	N	NE	E	SE	s	SW		NW	VAR	CALM
75/79	.0	.0	.0	.4	.0	.0	.0	.0	2	.4	.2	.1	.0	.0	.0	.0	.0	.2	.0	.0
70/74	.0	.0	.0	.0	1.0	.8	.8	.8	17	3.4	.5	.5	.4	.1	.4	.5	.3	.9	.0	.0
65/69	.0	.0	.0	1.4	5.0	8.4	6.6	1.6	115	23.0	4.8	5.5	2.0	.5	1.2	2.8	3.6	2.4	.0	.4
60/64	.0	.0	.0	3.6	15.2	23.2	16.6	5.2	319	63.9	19.8	22.1	3.0	1.5	.9	2.4	3.6	9.3	.0	1.4
55/59	.0	.0	.0	.0	2.4	3.6	1.4	1.6	45	9.0	4.0	2.5	.0	.0	.2	.3	1.2	1.0	.0	.0
50/54	.0	.0	.0	.0	.0	.0	.2		1	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOTAL	0	0	0	27	118	180	128		499	100.0										
PCT	.0	.0	.0	5.4	23.6	36.1	25.7	9.2			29.5	30.6	5.3	2.0	2.7	5.8	8.7	13.7	.0	1.8

TABLE 1

				TAE	SLE 15									TABLE	16			
	MEANS,	EXTREM	ES AND	PERCE	TILES	OF TE	AP (DE	G F) 8	Y HOUR		PERC	ENT FRE	QUENCY	OF RELA	TIVE H	UMIDITY	BY HOUS	1
HOUR (GMT)	MAX	99%	95%	50%	5%	1*	MIN	MEAN	TOTAL OBS	HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
00603	70	68	65	62	58	56	50	61.9	385	00603	.0	4.6	14.8	37.0	31.5	12.0	78	108
90300	77	69	66	62	58	55	51	61.7	629	06809	.0	. 8	23.3	41.4	22.6	12.0	78	133
12615	76	74	70	64	60	58	55	64.7	394	12615	.0	9.8	27.4	31.1	23.2	8.5	74	164
18621	78	72	69	64	59	58	53	63.9	639	18621	.0	6.3	27.0	35.1	26.1	5.4	75	111
TOT	78	72	68	63	59	56	50	63.0	2047	TOT	0	29	122	185	131	49	76	516

APRIL

PERIOD: (PRIMARY) 1904-1973 (DVER-ALL) 1854-1973

TABLE 17

AREA 0002 MADEIRA ISLANDS 32.6N 16.6W

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE DCCURRENCE OF FDG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA	13	57	61	65	69	73	TOT	*	WO
THP DIF	56	60	64	68	72	76		FOG	FOG
11/13	.0	.0	.0	.0	.0	.6	4	.0	.6
9/10	.0	.0	.1	.0	.1	.1	3	.0	.4
7/8	.0	.0	.0	.4	.6	.1	8	.0	1.2
	.0	.0	.0	.1	.6	.1	6	.0	.9
6	.0	.0	.6	.9	.7	.0	3 8 6	.0	2.2
4	.0	.0	.0	1.9	1.0	.0	24	.0	3.5
3	.0	.0	.4	2.4	.7	.0	24	.1	3.4
2	.0	.3	.9	3.1	.4	.0	32	.3	4.4
1	.0	.3	4.6	5.4	.1	.0	71	.3	10.2
0	.0	.9	8.7	2.9	.1	.0	86	.7	11.9
0 -1	.0	1.5	14.6	2.2	.0	.0	124	.1	18.1
-2	.0	2.7	10.9	.9	.1	.0	99	.0	14.6
-3	.1	3.1	7.2	.6	.0	.0	75	.0	11.0
-4	.0	3.8	2.9	.1	.0	.0	47	.0	6.9
	.1	2.5	1.3	.4	.0	.0	30	.0	4.4
-6	.1	1.0	.7	.3	.0	.0	15	.0	2.2
-7/-8	.4	.4	.4	.0	.0	.0	9	.0	1.3
-9/-10	.3	.1	.3	.0	.0	.0	5 2	.0	.7
-11/-13	.0	.1	.1	.0	.0	.0	2	.0	.3
TOTAL	8		370	100	32			11	608
	100	114	-	148	-	7	679	N 1 1 1	
Det	1 .	14 8	84.8	21 8	4 7	1 0	100.0	1.4	08.4

PERIOD: (QVER-ALL) 1963-1973

				PC	T FREQ 0	F WIND	SPEED	(KTS)	AND DIREC	TION V	ERSUS S	EA HEIG	HTS (FT)		
				N								NE			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.7	2.1	.0	.0	.0	.0	2.9		.4	2.1	.0	.0	.0	.0	2.6
1-2	.0	5.5	1.7	.0	.0	.0	7.2		.0	3.9	1.4	.0	.0	.0	5.3
3-4	.0	2.7	6.6	.9	.0	.0	10.2		.4	3.2	5.6	.6	.0	.0	9.8
5-6	.0	.4	5.0	.8	.0	.0	6.2		.0	.4	6.9	.8	.0	.0	8.2
7	.0	. 8	2.1	1.7	.0	.0	4.7		.0	.0	1.6	2.3	.0	.0	4.0
8-9	.0	.0	.0	.6	.0	.0	.6		.0	.0	.4	.5	.0	.0	.9
10-11	.0	.0	.4	1.2	.0	.0	1.6		.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.4	.0	.0	.4		.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	0		.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
TOT PCT	.7	11.5	15.9	5.7	.0	.0	33.9		.8	9.6	16.0	4.3	.0	•0	30.7
HGT	1-3	4-10	11-21	E 22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.4	.8	.0	.0	.0	.0	1.2		.0	.4	.0	.0	.0	.0	.4
1-2	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
3-4	.0	.3	2.1	.0	.0	.0	2.4		.0	.0	.1	.0	.0	.0	.1
5-6	.0	.0	.9	.0	.0	.0	.9		.0	.0	.4	.0	.0	.0	.4
7	.0	.4	.6	.3	.0	.0	1.3		.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
67+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
TOT PCT	.4	1.5	3.7	.3	.0	.0	5.9		.0	.4	.5	.0	.0	.0	.9
101 101		1.0	3.1	.,	.0	.0	2.7		.0	••		.0	.0		.,

									APR	IL							
PER100:	(UVE	K-ALL!	1963-1	1473				TABLE	18 1	CONT)			AREA			ISLANDS
				PC	T FREO	OF WIND	SPEED	(KTS)	AND	DIREC	TION	VERSUS	SEA HEIG	HTS (FT)		
				5													
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT			1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	.0	.0	.0	.0	.0	.0	.0			.4	.5			.0	.0	1.3	
1-2	.0	.3	.4	.0	.0	.0	.7			.0				.0	.0	.1	
3-4	.0	.0	.0	.0	.0	.0	.0			.0			.0	.0	.0	1.1	
5-6	.0	.4	.0	.0	.0	.0	.4			.0	.0	.9	.0	.0	.0	.9	
7	.0	.0	.4	.0	.0	.0	.4			.0	.0			.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0			.0	. (.0	.0	.4	
10-11	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.4	.0	.0	.4	
12	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0			.0	.4	0	.0	.0	0	.4	
17-19	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0			.0	. (.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0			.0	. (0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0			.0	(.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0			.0	(.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0			.0	. (.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	.7	.8	.0	.0	.0	1.5			.4	1.4	2.0	.8	.0	.0	4.7	
													NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT			1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.3	1.0	.0	.0	.0	.0	1.3			.6			.0	.0	.0	1.3	
1-2	.0	.4	.4	.0	.0	.0	.8			.4	1.2		.0	.0	.0	3.4	
3-4	.0	.4	2.6	.0	.0	.0	3.0			.0			.1	.0	.0	4.4	
5-6	.0	.0	1.5	.0	.0	.0	1.5			.0	• 0		.0	.0	.0	1.4	
7	.0	.0	.8	.0	.0	.0	. 8			.0	.0	.1	.1	.0	.0	.2	
8-9	.0	.0	.0	.0	.0	.0	.0			.0	.0	.4	.5	.0	.0	.9	
10-11	.0	.0	.0	.0	.0	.0	.0			.0	.0	4	.0	.0	.0	.4	
12	.0	.0	.0	0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
TOT PCT	.3	1.8	5.3	.0	.0	.0	7.4			1.0	2.6	7.6	.7	.0	.0	12.0	97.1

	MIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	6.7	9.1	.0	.0	.0	.0	15.9	003
1-2	.4	11.5	5.6		.0	.0	17.5	
3-4	.4	7.1	21.0		.0	.0	30.2	
5-6	.0	1.2	16.7		.0	.0	19.4	
7	.0	1.2	5.6		.0	.0	11.1	
8-9	.0	.0	.8		.0	.0	2.8	
10-11	.0	.0	.8	1.6	.0	.0	2.4	
12	.0	.0	.0		.0	.0	.4	
13-16	.0	.4	.0		.0	.0	.4	
17-19	.0	.0	0	.0	.0	.0	.0	
20-22	.0	.0	.0		.0	.0	.0	
23-25	.0	.0	.0		.0	.0	.0	
20-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0		.0	.0	.0	
41-48	.0	.0	.0		.0	.0	.0	
49-60	.0	.0	.0		.0	.0	.0	
61-70	•0	.0	.0		.0	.0	.0	
71-86	.0	.0	.0		.0	.0	.0	
87+	.0	.0	.0		.0	.0	.0	
	-0							252
TOT PCT	7.5	30.6	50.4	11.5	.0	.0	100.0	

TABLE 1

AREA DDD2 MADEIRA ISLANDS 32.6N 16.6W

PERCENT FREQUENCY OF MEATHER DECURRENCE BY WIND DIRECTION

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN	DRZL	FRZG	SNOW	OTHER FRZN PCPN	HATL	PCPN AT	PCPN PAST HOUR	THOR	FOG WU PCPN	FUG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	NO SIG WEA
N NE	.5	1.1	.0	.0	.0	.0	.0	1.6	.9	.0	1.1	.0	.4	.0	96.0
NE	1.3	1.9	.0	.0	.0	.0	.0	3.2	.4	.0	1.1	.0	.2	.4	94.7
	.0	7.1	.0	.0	.0	.0	.0	7.1	.0	.0	1.3	.0	4.5	.0	87.2
SE	7.1	1.4	.0	.0	.0	.0	.0	8.9	.0	7.1	.0	.0	.0	.0	83.9
5	.0	1.7	.0	.0	.0	.0	.0	1.7	.0	.0	5.1	.0	.0	.0	93.2
SW	.0	1.5	2.1	.0	.0	.0	.0	3.6	2.1	.0	1.0	.0	.0	.0	93.3
	.0	3.5	.0	.0	.0	•0	.0	3.5	2.1	.0	1.1	.0		.0	92.6
NW	1.0	2.9	1.0	.0	.0	.0	.0	4.9	2.2	.0	1.0	.0	.2		91.7
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	•0	.0	.0	.0	4.5	4.5	.0	.0		90.9
TOT PCT	774	2.2	.3	.0	.0	.0	.0	3.2	1.0	.3	1.3	.0	.5	,1	93,5

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

				RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHENO	MENA	
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HATL	PCPN AT DB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	
60300	1.9	1.9	.0	.0	.0	.0	.0	3.8	2.6	.6	1.3	.0	.0	.6	91.0
90300	.0	2.8	.5	.0	.0	.0	.0	3.3	.9	.5	.9	.0	.5	.0	93.9
12615	.5	1.4	.5	.0	.0	•0	.0	2.3	.9	.0	1.6	.0	.0	.0	94.9
18621	.9	2.8	.0	.0	.0	•0	.0	3.8	.5	.0	.9	.0	1.4	.0	93.4
TOT PCT	.8	2.3	.3	.0	.0	.0	.0	3.3	1.1	.3	1.3	.0	.5	.1	93.5

TABLE 3

PERCENTAGE PREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		WI	D SPE	ED (KN	DTS)								HOUR	(GMT)			
WND DIR	0-3			22-33		48+	TOTAL	FREQ	SPD	00	03	06	09	12	15	18	21
N	1.4	10.5	10.4	1.3	.0	.0		23.7	11.5	24.2	11.1		21.8	23.8	.0		24.5
NE	1.4	11.6	14.0	3.0	.1	.0		30.2	12.8	31.3	33.3	31.1	29.3	30.8	25.0	29.6	28.3
E	.7	2.8	1.9	.3	.0	.0		5.6	9.9	5.6	11.1	6.2	4.7	4.8	.0	5.6	6.7
SE	.5	1.3	.3	.1	.0	.0		2.2	7.4	2.3	.0	1.8	2.6	2.1	0	2.1	2.3
S	.4	1.8	.4	.1	.0	.0		2.8	8.2	2.3	.0	2.7	3.3	3.7	.0	2.9	1.6
SW	.9	3.0	1.9	.6	.0	.0		6.4	10.4	6.7	13.9		7.9	6.5	18.8	6.6	5.6
W	1.1	4.9	4.0	.9		.0		11.0	11.3	10.8	16.7	9.1	9.3	12.8	31.3	11.2	11.8
NW	1.1	7.3	5.5	.6	.0	.0		14.5	10.5	14.1	13.9	16.1	15.1	12.2	25.0	14.0	15.7
VAR	.0	.0	.0	.0		.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	3.8							3.8	.0	2.6	.0	4.8	6.0	3.3	.0	3.3	3.4
TOT OBS	272	1038	926	165	4	0	2405	•	10.9	428	9	457	285	449		448	321
TOT PCT	11.3	43.2	38.5	6.9	.2	.0		100.0		100.0	100.0			100.0	100.0	100.0	

TABLE 3A

WHO DIR	0-6	7-16	SPEED 17-27		41+	TOTAL	PCT	HEAN SPD	00	HDUI 06 09	12 15	18
N NE	4.9	13.5	4.9	:3	.0		23.7	11.5	24.0	22.6	23.4	24.6
	2.1	2.6	.9	.1	.0		5.6	9.9	5.7	5.6	4.7	6.1
SE	1.4		.2		.0		2.2	7.4	2.3	5.1	2.0	2.2
5	1.5		.3		.0		2.8	8.2	2.3	5.9	3.6	2.3
SW	2.2	2.8	1.3	.1	.0		6.4	10.4	6.9	6.1	6.7	6.2
W	3.2	5.1	2.5	.1			11.0	11.3	10.9	9.2	13.1	11.4
NW	3.9	8.3	2.1	.1	.0		14.5	10.5	14.1	15.7	12.4	14.7
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	3.8						3.8	.0	2.5	5.3	3,3	3.4
TOT QBS	685	1194	488	37	1	2405		10.9	437	742	457	769
TOT PCT	28.5	40.6	20.3	1.5			100.0		100.0	100.0	100.0	100.0

MAY

PERIOD: (PRIMARY) 1894-1973 (OVER-ALL) 1854-1973

AREA 0002 MADEIRA ISLANDS 32.6N 16.6W

ERCENT.CE	FREQUENCY	HILL	coren	 	

				WIND	SPEED (KNOTS)			PCT	TOTAL
HOUR	CALM	1-3	4-10		22-33		48+	MEAN	FREQ	DBS
00603	2.5	8.5	43.2	38.4	7.3	.0	.0	11.0	100.0	437
90300	5.3	8.2	41.4	38.8	6.2	.1	.0		100.0	742
12615	3.3	6.1	44.4	37.9	7.9	.4	.0	11.4	100.0	457
18621	3.4	7.2	44.1	38.6	6.6	.1	.0	10.8	100.0	769
TOT	91	181	1038	926	165	4	0	10.9		2405
PCT	2.	7 4	43 2	28 6		2	0	No.	100 0	

,	CT FRE			DIREC		(EIGHTHS)							CEILIN NH <5/					
WND DIR	0-2	3-4	5-7	8 £ 085CD	TOTAL	CLOUD	000 149	150	300 599	600	1000	2000 3499	3500 4999	5000	6500 7999	8000+	NH <5/8	
N	6.3	4.3	9.3	4.6		4.7	.0	.2	.2	2.1	3.3	3.5	1.2	1.1	.0	.2	12.9	
NE	7.9	5.6	12.3	7.2		4.9	.0	.0	.5	1.5	6.8	5.4	1.1	.5	.0	.1	17.1	
E	1.4	.7	2.1	.8		4.7	.0	.0	.0	.0	.7	1.2	.5	.0	.0	.0	2.6	
SE	.2	.2	.5	.2		5.1	.0	.0	.0	.0	.2	.3	.0	.0	.0	.0	.6	
S	1.1	1.1	.5	.0		3.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	2.6	
SW	1.3	2.0	.4			4.2	.0	.0	.0	.3	.7	.4	.0	.0	.0	.0	3.5	
*	3.1	2.9	5.3	1.2		4.5	.0	.0	.0	.5	2.1	.4	.2	.0	.0	.0	9.3	
NW	4.2	2.8	5.1	1.8		4.2	.0	.0	.4	.2	1.7	1.3		.5	.0	.0	9.2	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.9	.6	.2	.4		3.6	.2	.0	.0	.0	.0	.2	.0	.0	.2	.0	1.5	
TOT DBS	124	95	168	82	469	4.6	1	1	5	22	73	60	17	10	1	1	278	469
TOT PCT	26.4	20.3	35.8	17.5	100.0		.2	.2	1.1	4.7	15.6	12.8	3.6	2.1	.2	.2	59.3	100.0

CUMULATIVE	PCT FREQ	OF	SIMULTANEOUS	OCCURRENCE
OE	NE HETCHT	INL	SA/BI AND W	CHY (NH)

				VSBY (NE	()			
CEILI	NG . OR	- OR	. OR	= DR	. nR	- DR	. OR	- DR
(FEET) >10	>5	>2	>1	>1/2	>1/4	>50YD	>0
• OR >65	00 .4	.4	.4	.4	.4	.4	.4	.4
- OR >50	00 2.1	2.5	2.5	2.5	2.5	2.5	2.5	2.5
. DR >35	00 5.4	5.8	5.8	5.8	5.8	5.8	5.6	5.8
- DR >20	00 15.4	18.3	18.7	18.7	18.7	18.7	18.7	18.7
- OR >10	00 29.5	33,5	34.3	34.3	34.3	34.3	34.3	34.3
- UR >60	0 32.6	37.8	38.9	38.9	38.9	38.9	38.9	38.9
- DR >30	0 33.7	38.9	39.9	39.9	39.9	39.9	39.9	39.9
. OR >15		39.1	40.1	40.1	40.1	40.1	40.1	40.1
. OR > 0	33.7	39.1	40.1	40.3	40.3	40.3	40.3	40.3
TOT		188	193	194	194	194	194	194

TUTAL NUMBER OF DBS: 481 PCT FREQ NH <5/8: 59.7

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 08SCD 08S 7.7 11.9 15.8 13.8 10.1 6.1 10.5 10.3 13.6 .2 506

	TABLE 8	AKEA	00
PERCENT	FREO OF WIND DIRECTION VS OCCURRENCE OR NON-OCCUR PRECIPITATION WITH VARYING VALUES OF VISIBILITY	RENCE	OF

				. KEC			. H TAP		Troes .	u. •1.			
VSBY		N	NE	F	SE	5	SH		NW	VAR	CALM	PCT	TOTAL
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	NO PCP	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	
	TOT &	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	NO PCP	.3	:0	.0	.0	.2	.1	.1	.0	.0	.0	.8	
	TOT &	.3	.1	:0	.0	.2	:1	.1	.0	.0	.0		
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	
	TOT &	.0	.0	.0	.0	.0	.0	.0	.0	.0	:1	.1	
	PCP	.0	.0	:0	.1	.0	.1	.0	.1	.0	.0	.4	
2<5	NO PCP	.3	.1	.0	.0	:0	.1	.3	.1	.0	.0	.9	
	TOT &	.3	.1	.0	.0	.0	.1	.3	.1	.0	.0	1.3	
	PCP	.3	.6	.3	.0	.1	.1	.2	.5	.0	.0	1.9	
5<10	NO PCP	9.0	8.2	1.6	.5	1.3	2.8	3.5	3.0	.0	1.0	30.9	
	TOT &	9.3	8.8	1.6	:5	1.3	2.9	3.5	3.5	.0	1.0	32.9	
	PCP	.1	.4	.1		.0	.0	.3	.1	.0	.0	.9	
10+	NO PCP	14.4	21.0	3.1	1.2	2.2	3.1	7.9	9.4	.0	1.7	63.9	
	TOT &	14.4	21.4	3.1 3.2	1.2	2.2	3.1	7.9 8.1	9.5	.0	1.7	64.8	
	TOT 085												773
	TOT PCT	24.2	30.6	5.0	1.8	3.8	6.3	12.2	13.2	.0	2.8	100.0	

TABLE 9

(NM)	KTS	N	NE	Ε	SE	5	SW		NW	VAR	CALM	PCT	TOTAL
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.1		.0	.0	.0	.0	.0	.0		.2	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.1		.0	.0	.0	.0	.0	.0	.0	.2	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	4-10	.2	.1	.0	.0	.0	.0	.0	.0	.0		.2	
	11-21	.0	.0	.0	.0	.0	.0	.1	.0	.0		.1	
	22+	.0	.0	.0	.0	.1		.0	.0	.0		.2	
	TOT \$.2	.1	.0	.0	.1		.1	.0	.0	.0	.5	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	
1<2	4-10			.0	.0	.0	.0	.1	.0	.0		.2	
	11-21			.0	.0	.0	.0	.0	.0	.0		.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT *	.1	.1	.0	.0	.0	.0	.1	.0	.0	.1	.3	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	4-10	.0	.0	.0	.0	.0	.2	.1	.1	.0		.3	
	11-21	.2	.1	.0	.0	.0	.1	.0	.2	.0		.6	
	22+	.0	.1	.0	.1	.0	.0	.2	.0	.0		.3	
	TOT \$	•2	.2	.0	.1	.0	.2	.2	.3	.0	.0	1.2	
	0-3	.4	.4	.3	.2	.5	.2	.4	.4	.0	.8	3.6	
5<10		2.7	2.4	.6	.1	.2	1.0	1.0	1.3	.0		9.3	
	11-21	3.1	2.9	.4	.1	.2	.6	.9	. 8	.0		8.9	
	22+	.3	1.2	.1	.0	:1	.1	.3	2:7	.0		2.3	
	TOT %	6.4	6.9	1.4	.4	.9	2.0	2.6	2.7	.0	.8	24.2	
	0-3	.7	.8	.2	.4	.1	.3	.8	1.0	.0	1.9	6.2	
10+	4-10	8.9	10.1	2.4	1.2	1.7	1.9	3.4	6.3	.0		36.0	
	11-21	7.4	11.2	.8	.1	.3	.6	2.4	4.2	.0		27.1	
	22+	1.3	1.9	.2	.1	.0	.2	.5	.2	.0		4.4	
	TOT \$	18.3	24.0	3.7	1.8	2.2	3.0	7.1	11.7	.0	1.9	73.7	
	TOT OBS			- 000 d	-				100				1242
	TOT PCT	25.1	31.3	5.1	2.3	3.2	5.3	10.2	14.7	.0	2.8	100.0	

MAY

PERIOD: (PRIMARY) 1894-1973 (OVER-ALL) 1854-1973

TABLE 10

AREA DOOZ MADEIRA ISLANDS 32.6N 16.6W

PERCENT	FREQUENCY			>4/8)	AND

HOUR (GMT)	000	150	300 599	600	1000	2000	3500 4999	5000	6500	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL
00403	1.0	.0	1.9	2.9	13.3	15.2	3.8	1.9	.0	1.0	41.0	59.0	105
90300	.0	.0	2.6	5.2	19.0	14.7	5.2	2.6	.9	.0	50.0	50.0	116
12615	.0	.0	.0	4.0	14.0	12.7	3.3	2.0	.0	.0	36.0	64.0	150
18621	.0	.6	.0	5.6	14.5	8.1	1.6	1.6	.0	.0	32.3	67.7	124
TOT	1	.2	1.0	22	75	12.5	17	10	1	.2	195	300	100.0

TABLE 11

TABLE 1

		PERCENT	FREQUEN	CY VSB	(NH)	BY HOUR	e a r	CUMULAT	IVE PCT	FREQ G HGT	OF RAN	GES DF	VSBY (NM)	AND/OR
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL
00603	.0	.4	.4	2.0	20.1	77.2	254	00603	1.0	3.0	9.1	34.3	56.6	99
90300	.3	.6	.0	1.7	27.3	70.2	363	90300	.0	2.6	9.6	41.7	48.7	115
12615	.4	.4	.0	1.1	23.6	74.6	284	12615	.0	.0	4.8	32.2	63.0	146
18621	.0	.5		.3	24.3	74.0	366	18621	.0	.8	6.6	26.4	66.9	121
TOT	2	6		15	306	934	1267	TOT	1 .2	1.5	35 7.3	161	285	481

TABLE 13

	PERCI	ENT FRE	EQUENC	OF R	LATIVE	HUMI	DITY R	TEMP	TOTAL	PCT
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100		FREC
75/79	.0	.0	.0	.6	.0	.0	.0	.2	4	. 8
70/74	.0	.0	.4	1.0	2.5	2.9	1.7	.4	46	8.8
65/69	.0	.0	.2	1.5	8.8	15.5	15.2	5.2	242	46.4
60/64	.0	.0	.0	.6	10.0	15.5	10.6	5.4	219	42.0
55/59	.0	.0	.0	.0	.5	.6	.4	. 8	10	1.9
TOTAL	0	0	3	19	112	180	145	62	521	100.0
PCT	.0	.0	.6	3.6	21.5	34.5	27.8	11.9		

TABLE 14

	PERC	ENT FRE	QUENC	0F W	10 ON	RECTIO	N BY T	EMP	
N	NE	E	SE	s	SW	W	NW	VAR	CALM
1.2	3.2	.0	.0	:0	.0	:4	.0	:0	1.0
9.1	14.1	2.8	1.1	2.7	3.8	6.5	4.8	.0	2.5
11.2	13.2	1.5	.2	.3	1.2	4.7	8.7	.0	1.0
.5	.9	.0	.2	.0	.0	.1	.1	.0	.2
22.1	31.7	4.7	2.3	3.7	5.3	12.4	14.2	.0	3.6

TABLE 15

	WEANS!	EXIKEM	E2 MMD	PERCEN	ILITES	Ur IE	IF (UE	6 -1 6	HUUK
HOUR (GMT)	MAX	998	95%	50%	5%	1%	HIN	MEAN	TOTAL
00603	71	69	67	64	60	59	56	63.5	437
06609	75	71	68	64	60	57	56	63.8	739
12615	76	75	73	67	63	60	55	67.0	438
18621	77	73	71	65	61	59	55	65.7	735
TOT	77	73	70	64	61	59	55	64.9	2349

				G. M.				
HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
60300	.0	1.8	12.4	38.9	28.3	18.6	80	113
12615	.0	9.6	25.0	32.4	33.1	14.8	79	156
18621	.0	4.0	28.6	34.1	24.6	8.7	75	126
TOT	0	23	116	188	148	62	77	537

PERIOD: (PRIMARY) 1894-1973 (OVER-ALL) 1854-1973

TABLE 17

AREA 0002 MADEIRA ISLANDS 32.6N 16.6M

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

								•	
AIR-SEA	57	61	65	69	73	1	OT		WO
THP OIF	60	64	68	72	76			FOG	FDG
11/13	.0	.0	.0	.0	.1		1	.0	.1
9/10	.0	.0	.1	.3	.6		7	.0	1.0
7/8	.0	.0	.0	.7	1.0		12	.1	1.5
	.0	.0	.0	.3	.7		7	.0	1.0
5	.0	.1	.1	2.0	.0		16	.0	2.2
	.0	.0	.3	1.4	.0		12	.0	1.7
3	.0	.6	2.0	2.1	.0		33	.1	4.5
2	.0	.6	6.3	1.5	.0		60	.1	8.2
1	.0	2.5	7.7	1.5	.0		84	.0	11.7
0	.0	5.4	10.3	.7	.0	1	18	.3	16.2
-1	.1	11.3	7.8	.4	.0		41	.1	19.6
-2	.3	11.0	2.2	.4	.0	1	00	.4	13.5
-3	. 6	5.9	.3	.1	.0		51	.0	7.1
-4	1.0	3.1	. 8	.0	.0		35	.0	4.9
-5	.4	1.8	.6	.0	.0		20	.0	2.8
-6	.3	. 8	.3	.0	.0		10	.0	1.4
-7/-8	.1	.6	.0	.0	.0		5	.0	.7
-9/-10	.3	.1	.0	.0	.0		3	.0	.4
-11/-13	.1	.0	.0	.0	.0		1	.0	.1
TOTAL	25		278		17			9	707
		314		82		7	16		
PCT	3.5	43.9	38.8	11.5	2.4	100		1.3	98.7

PERIOD: (OVER-ALL) 1963-1973

TABLE 18

				PC	T FRED C	F WIND	SPEED	(KTS) A	ND DIREC	TION V	ERSUS S	EA HEIG	HTS (FT)		
HGT	1-3	4-10	11-21	N 22-33	34-47	48+	PCT		1-3	4-10	11-21	NE 22-33	34-47	48+	PCT
<1	.6	.3					PCI						100000000000000000000000000000000000000		3.3
1-2	.0	3.0	1.5	.0	.0	.0	4.5		.2	3.7	1.8	.0	.0	.0	5.6
3-4	.0	3.1	3.4	.7	.0	.0	7.1		.0	2.3	8.9	.9	.0	.0	12.1
5-6	.0	.4	4.6	.3	.0	.0	5.3		.0	.6	8.0	.9	.0	.0	9.6
7	.0	.0	1.6	.8	.0	.0	2.4		.0	.0	1.7	3.2	.0	.0	4.9
8-9	.0	.0		.3	.0	.0	.3		.0	.0		.9	.4	.0	1.6
10-11	.0	.0	.0	.4	.0	.0	.4		.0	.0	.0	.6	.0	.0	.6
12	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0		.0	•0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0		.0	•0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0		.0		.0	.0	.0	.0	.0
TOT PCT	.6	6.7	11.1	2.4	.0	.0	20.8		.2	9.1	21.6	6.3	.4	.0	37.5
		•••					20.0			**1	21.0	0.5			31.3
				E								SE			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	.4	.0	.0	.0	.0	.7		.0	.0	.0	.0	.0	.0	.0
1-2	.0	1.1	.0	.0	.0	.0	1.1		.0	48	.0	.0	.0	.0	.8
3-4	.0	.7	.6	.0	.0	.0	1.2		.0	.0	.1	.4	.0	.0	.5
5-6	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.3	.0	.0	.3		.0	.0	.0	.0	.0	.0	.0
8-9	.0	.4	.0	.4	•0	.0	.8		.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.6	.0	.0	.6		.0	.0	.0	.0	.0	.0	.0
15	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	•0	.0	.0		.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	4:7		.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	2.6	.6	1.2	.0	.0	4.7		.0	.8	.1	.4	.0	.0	1.2

									MAY								
PERIOD:	COVER	I-ALL)	1963-1	973				TABLE	18 (ONT)				AREA	32.	MADEIRA	ISLANDS
				PC	T FREQ	OF WIND	SPEED	(K75)	AND D	IRECTI	DN V	VERSUS S	EA HEIG	HTS (FT			
нат				\$									SW				
	1-3	4-10	11-21	22-33	34-47	48+	PCT				-10	11-21	22-33	34-47	48+	PCT	
<1	.0	.3	.0	.0	.0	.0	.3			.0	.6	.0	.0	.0	.0		
3-4	.0	• •	.3	.0	.0	.0	1.0			.0		5	.0	.0	.0	1.2	
5-6	.0	.0	.6	.0	.0	.0				.0	1.1	1.1	.0	.0	.0	1.0	
7	.0	.0	.0	.0	.0		.6			.0	.4	.8	.4	.0	.0		
8-9	.0					.0	.0				.0		.0		.0	.8	
10-11	.0	.0	.0	.0	.0	.0	.0			.0	.0	• •	.0	.0	.0	.4	
		.0			.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
		.0		.0	.0	.0	.0				.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	•0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0,	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	1.1	1.4	.0	.0	.0	2.5			.0	2.9	3.0	.4	•0	.0	6.2	
				w									NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT				-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.4	.3	.0	.0	.0	.0	.7		1	.2	2.0	.0	.0	.0	.0	3.3	
1-2	.0	3.3	.0	.0	.0	.0	4.0			.4	2.3	2.0	.0	.0	.0	4.7	
3-4	.0	.8	2.1	.0	.0	.0	2.9			.4	1.2	.9	.0	.0	.0	2.5	
5-6	.4	.0	1.4	.4	.0	.0	2.2				1.1	1.7	.0	.0	.0	2.9	
7	.0	.0	1.1	. 8	.0	.0	1.9			.0	.0	.5	.0	.0	.0	.5	
8-9	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.4	.0	.4			.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	

. .

	MIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	6.3	6.0	.7	.0	.0	.0	13.1	003
1-2	.4	14.9	6.7	.0	.0	.0	22.0	
3-4		9.3	17.2	1.9	.0	.0	28.7	
5-6		2.6	16.0	1.9				
7	.4				.0	.0	20.9	
	•0	.0	5.6	4.9		.0	10.4	
8-9	•0	.4	.7	1.5	.4	.0	3.0	
10-11	•0	.0	.0	1.5	.0	.0	1.5	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	•0	.0	.0	.0	.4	.0	.4	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	•0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60		.0		.0				
	•0		.0		.0	.0	.0	
61-70	•0	.0	.0	.0	.0	.0	.0	
71-86	•0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								268
TOT PCT	7.5	33.2	47.0	11.6	.7	.0	100.0	

PERIOD): (QV	ER-ALL	1 194	9-1973	•				TABLE	19											
					PERCENT	FRE	QUENCY	OF WAY	VE HEI	GHT (F	T) VS	WAVE P	ERIOD	(SECON	DS)						
PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN
6-7	:7	7.2	13.0	5.5	3.4	1.2	:07	:2	:2	:0	:0	.0	:0	.0	.0	.0	.0	.0	.0	127	*
8-9	.0	.7	.7	4.3	4.1	2.4		1.2	.2	.0	.0	.0	.0		.0	.0	.0	.0	.0	60	7
10-11	.0	.2	.5	.5	2.9	.5	.5	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	53	7
12-13	.0	.0	.7	.5	.7	.2	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12	7
>13	.0	.0	.0	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	7
INDET	3.1	1.4	6.7	5.5	1.9	2.6	.7	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	93	4
PCT	17	142	115	101	75	9.4	11	11	. 5	0	0	0	0	0	0	0	0	0	0	416	5
	7.1		21.0	24.3	10.0	***	2.6	4.0	1.5	.0	.0	.0	.0	.0	.0	•0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1893-1973 (OVER-ALL) 1854-1973

TABLE 1

AREA 0002 MADEIRA ISLANDS 32.5N 16.6W

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHENO	MENA	
WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUS BLWG SND	
NE NE	:5	2.2	:2	:0	.0	.0	:0	3.6	1:6	:0	1.5	.0	1.2	:0	93.3
E SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.1	.0	92.9
S	7.2	.0	.0	.0	.0	.0	.0	7.2	.0	.0	.0	.0	2.4	.0	90.4
SW	1.1	.0	.0	.0	.0	.0	.0	1.1	.0	2.3	4.5	.0	3.4	.0	98.1
VAR	1.2	3.0	.0	.0	.0	•0	.0	4.2	1.2	.0	1.8	.0	2.4	.0	90.5
CALH	.0	.0	.0	:0	:0	.0	:0	:0	.0	.0	.0	.0	6.7	:0	93.3
TOT PCT	680	1.8	.3	.0	.0	.0	.0	2.6	1.2	.1	1.0	.0	1.9	.0	93.1

TABLE 2
PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			P	RECIPI	TATIO	TYPE					OTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HATL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	FOG WU PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	
00803 06809 12815 18821	1.4	.7 1.5 1.1 3.1	.0 1.1	.0	.0	•0	.0	2.1 2.5 2.2 3.1	2.1 1.5 .5	.0 .5 .0	2.0 2.0 2.6	.0 .0 .0	.0 1.5 3.3 2.1	.0 .0 .0	95.7 91.9 94.0 91.8
TOT PCT TOT DBS:	715	1.7	.3	.0	.0	•0	.0	2.5	1.1	.1	1.3	•0	1.8	.0	93.1

TABLE 3
PERCENTAGE PREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		WI	ND SPE	ED (KN	וצדם								HOUR	(GHT)				
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	FREQ	MEAN	00	03	06	09	12	15	18	51	
N NE	2.0	15.9	11.6	1:5	:	.0		30.4	10.5	31.1	41.7	32.5		30.2		29.8	30.2	
E	.9	2.8	1.4	.3	.0	.0		5.4	9.4	5.7	.0	4.5	5.9	5.2	12.5	6.9	4.2	
SE	.5	1.4	.2	.0	.0	.0		2.2	6.3	2.0	.0	1.4	1.7	2.7	.0	2.0	3.8	
S	.3	1.3	.5	.1	.0	.0		2.2	8.7	3.0	.0	1.8	2.5	2.1	.0	2.2	1.8	
SW	.8	2.4	1.0	.1	.0	.0		4.2	8.1	3.5	16.7	4.0	4.7	4.9	31.3	3.7	4.2	
W	1.0	4.9	1.5	.2		.0		7.7	8.6	8.0	16.7	6.6	9.4	7.8	6.3	6.9	7.8	
NW	1.3	8.5	3.3		.0	.0		13.1	8.5	13.0	.0	13.8	12.3	11.2		13.5	15.3	
VAR	.0	.0	.0	.0		.0		.0	.0	.0	.0	.0	.0	.0	.0	.0		
CALM	3.3							3.3	.0	2.7	.0	3.8		2.0			100	
TOT DBS	260	1153	772	72	2	0	2259		9.8	411	6	421	289	405	. 8	419	300	
TOT PCT	11.5	51.0	34.2	3.2	.1	.0		100.0			100.0	100.0			100.0		100.0	

				(VMOTe)								34
			SPEED						200	HOUR		
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL	PCT	MEAN	00	06	12	
						DAS	FREQ	SPD	03	09	15	21
N NE	7.7	17.5	5.1	.2	.0		30.4	10.5	31.3	30.6	30.1	29.9
	6.3	18.1	6.7	.2	.0		31.4	11.6	30.9	31.9	33.5	30.0
E SE	2.3	2.3	.8	.1	.0		5.4	9.4	5.6	5.0	5.4	5.8
SE	1.4	.8	.1	.0	.0		2.2	6.3	2.0	1.5	2.6	2.8
S	1.0	1.0	.2	.0	.0		2.2	8.7	2.9	2.1	2.1	2.1
SW	2.0	2.0	.3	.0	.0		4.2	8.1	3.7	4.3	5.4	3.9
W	3.2	3.7	.7		.0		7.7	8.6	8.1	7.7	7.7	7.3
NW	5.0	7.2	.9	.0	.0		13.1	8.5	12.8	13.2	11.3	14.3
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	3.3						3.3	.0	2.6	3.7	1.9	4.0
TOT OBS	726	1186	332	15	0	2259	-	9.8	417	710	413	719
TOT PCT	32.1	52.5	14.7	.7	.0	-20.	100.0		100.0	100.0		

JUNE

PERIOD: (PRIMARY) 1893-1973 (DVER-ALL) 1854-1973

TABLE 4

AREA 0002 MADEIRA ISLANDS 32.5N 16.6W

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GHT)

				MIND	SPEED (KNOTS)			PCT	TOTAL
HOUR	CALM	1-3	4-10	11-21	22-33	34-47	48+	MEAN	FREQ	OBS
60300	2.6	9.1	53.0	32.6	2.4	.2	.0	9.6	100.0	417
90300	3.7	9.3	52.7	30.6	3.8	.0	.0	9.4	100.0	710
12615	1.9	8.0	49.9	37.0	3.1	.0	.0	10.3	100.0	413
18221	4.0	6.8	49.0	37.0	3.1	.1	.0	10.1	100.0	719
TOT	74	186	1153	772	72	2	0	9.8		2259
PCT	3.3	8.2	51.0	34.2	3.2	.1	.0		100.0	

TABLE 5

TABLE 6

	PCT FRE			DIREC		EIGHTHS)			PERCEN	TAGE F	REQUEN	CY OF	CEILIN NH <5/	B BY	HTS (IRECTIO	>4/8) DN	
WND DI	R 0-2	3-4	5-7	8 & 085CD	TOTAL	COVER	000 149	150 299	300 599	600 999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8	
N NE	13.0	8.2	11.8	5.4		4.2	.0	.2	.8	2.4	6.7	2.9	2.6	.7	.5	.0		
ME.	5.6	6.2	11.1	6.0		5.0		.0		1.0		-				.3	14.1	
-	1.2	.5	2.0	.2		4.0	.0	.0	.0	.0	.7	.3	.0	.0	.3	.3	2.5	
SE	.9	.0	. 8	. 3		3.8	.0	.0	.0	.0	.3	.5	.0	.0	.0	.0	1.2	
5	1.5	.3	.3	.5		2.5	.0	.0	.0	.3	.3	.0	.0	.0	.0	0	2.0	
SW	2.1	1.2	1.4	.3		3.2	.0	.0	.0	.0	.6	.1	.0	.0	.0	.0	4.4	
	2.5	1.2	1.2	1.0		3.6	.0	.0	.0	.2	.7	.6	.5	.0	.0	.0	4.0	
NW	4.0	1.2	4.8	.5		3.9	.0	.1	.3	.8	1.0	.9	.9	.0	.1	.0	6.5	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	1.6	.5	.3	.3		2.4	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0		
TOT DE		74	129	55	382	4.2		1	4	18	61	35	19	. 6	4	2	231	382
TOT PO		19.4	33.8	14.4	100.0	***	.3	.3	1.0	4.7	16.0	9.2	5.0	1.6	1.0	.5	60.5	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NH)

					VSBY (NH	1)			
CE	ILING	. DR	- DR	. DR	= DR	• DR	. DR	. DR	. DR
(F	EET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
. OR	>6500	1.3	1.5	1.5	1.5	1.5	1.5	1.5	1.5
. OR	>5000	2.5	2.8	3.0	3.0	3.0	3.0	3.0	3.0
. OR	>3500	7.1	7.6	7.9	7.9	7.9	7.9	7.9	7.9
. DR	>2000	14.7	16.5	17.3	17.3	17.3	17.3	17.3	17.3
- OR	>1000	27.9	32.2	33.0	33.0	33.0	33.0	33.0	33.0
- OR	>600	30.7	36.8	37.6	37.6	37.6	37.6	37.6	37.6
- OR	>300	31.7	37.8	38.6	38.6	38.6	38.6	38.6	38.6
- OR	>150	31.7	36.1	38.6	38.6	38.8	38.8	38.8	38.8
- OR		32.0	38.3	39.1	39.1	39.1	39.1	39.1	39.1
	TOTAL	126	151	154	154	154	154	154	154

TOTAL NUMBER OF OBS: 394

PCT FREQ NH <5/8: 60.9

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

TOTAL
0 1 2 3 4 5 6 7 8 OBSCD OBS

JUNE

PERIOD: (PRIMARY) 1893-1973 (OVER-ALL) 1854-1973

TABLE 8

AREA 0002 MADEIRA ISLANDS 32.5N 16.6W

									ALUES I				E ur
(NM)		N	NE	•	SE	s	SW	W	NW	VAR	CALM	PCT	TOTAL
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
(1/2	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	101 2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	NO PCP	.2	.0	.0	.0	.0	.1	.1	.2	.0	.0	:7	
	TOT &	.2	.0	.0	.0	.0	-1	.1	.2	.0	.0	.7	
	PCP	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.1	
142	NO PCP	.3	.3	.3	.0	.1	.2	.1	. 3	.0	.1	1.8	
	TOT &	.3	.3	.3	.0	.1	.3	.1	.3	.0	.1	1.9	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	NO PCP	.5	.4	.0	.0	.0	.1	.1	.3	.0	.0	1.5	
	TOT &	.5	.4	.0	.0	.0	.1	.1	.3	.0	.0	1.5	
	PCP	.4	1.0	.0	.0	.1	.0	.0	.2	.0	.0	1.8	
5<10	NO PCP	10.2	10.0	1.8	1.0	.7	2.1	4.2	5.5	.0	.6	35.9	
	TOT &	10.6	11.0	1.8	1.0	.6	2.1	4.2	5.7	.0	.6	37.7	
	PCP	.4	.1	.0	.0	.0	.0	.0	.3	.0	.0	.7	
10+	NO PCP	21.9	15.6	2:1	1.6	2.1	3.8	3.3	5.6	.0	1.5	57.4	
	TOT &	22.2	15.7	2.1	1.6	2.1	3.8	3.3	5.9	.0	1.5	58.2	
	TOT 065												675
	TOT PCT	33.9	27.4	4.1	2.5	3.1	6.5	8.0	12.4	.0	2.2	100.0	

							MADEC						
									VS WI		ED		
VSBY	SPD	N	NE	E	SE	5	SW	W	NW	VAR	CALM	PCT	TOTAL
(NM)	KTS				-		-						DBS
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.1	.0	.0	.0	.0	.0	.0	.0		.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT #	.0	.1	.0	.0	•0	.0	.0	.0	.0	.0	.1	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	4-10	.1	.0	.0	.0	.0	.0	.1	.1	.0		.3	
	11-21		.0	.0	.0	.0	.1	.0	*	.0		.2	
	22+ TOT *	.0	.0	.0	.0	.0	.0	.0	.0	.0	•	.0	
	101 %	-1	.0	•0	.0	.0	.1	.1	•1	.0	.0	.4	
	0-3	.0	.0	.1	.0	.0	.0	.1	.0	.0	.1	.3	
1<2	4-10	.1	.1	.1	.0	.0	.0	.1	.1	.0		.5	
	11-21	.1		.0	.0	.0	.1	.0		.0		.3	
	22+			.0	.0	.1	.1	.0	.0	.0		.3	
	TOT %	.5	.2	• 2	.0	.1	.2	.2	.2	.0	.1	1.3	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
245	4-10	.3	.2	.0	.0		.1	.2		.0		.8	
	11-21	.1	.3	.0	.0	.0	.0	.0	.2	.0		.6	
	22+	.1		.0	.0	.0	.0	.0	.0	.0	100	.2	
	TOT #	.5	.5	.0	.0	*	•1	.2	.2	.0	.0	1.6	
	0-3	.5	.3	.0	.1	.0	.0	.2	.1	.0	.5	1.8	
5<10	4-10	3.8	3.4	.5	. 3	.2	.6	1.9	2.2	.0		12.8	
	11-21	2.5	3.2	.6	.2	.3	.7	.4	1.0	.0		9.0	
	22+	.3	.3	.0	.0	.1	. *	.1	.0	.0		8	
	TOT %	7.1	7.2	1.1	.5	.6	1.3	2.6	3.4	.0	.5	24.5	
	0-3	1.3	1.0	.5	.4	.5	.8	.6	.9	.0	2.0		
10+	4-10	13.9	10.8	2.0	1.3	1.4	2.6	2.4	6.1	.0		40.5	
	11-21	8.3	9.5	.5		.6	.7	.6	1.5	.0		21.7	
	224	.8	1.2	2.1	.0	.0	.0	0	.0	.0	2.0	. 72.2	
	TOT %	24.3	22.5	3.1	1.7	2.4	4.1	3.6	8.5	•0	2.0	12.2	
	OT OBS												1194
1	OT PCT	32.2	30.5	4.4	2.3	3.2	5.8	6.6	12.4	.0	2.6	100.0	

JUNE

PER100:	(PRIMARY)	1893-1973

TABLE 10

AREA 0002 MADEIRA ISLANDS 32.5N 16.6W

PERCENT	FREQUENCY	OF CE	LIN	G HEI	GHTS	(FEET, NH	>4/81	AND
	accur	RENCE	DF	NH <5	/8 BY	HOUR		

HOUR (GMT)	149	150 299	300 599	999	1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL
00403	1.1	.0	1.1	4.3	14.9	8.5	3.2	3.2	.0	1.1	37.2	62.8	94
06609	.0	1.1	1.1	5.4	22.8	13.0	6.5	1.1	2.2	.0	53.3	46.7	92
12615	.0	.0	.8	5.1	13.6	6.8	3.4	.8	.0	.8	31.4	68.6	118
18621	.0	.0	1.0	3.1	11.3	9.3	6.2	1.0	2.1	.0	34.0	66.0	97
TOT	.2	.2	1.0	18	15.5	9.2	19	1.5	1.0	2	154 38.4	247	401

TABLE 11

TABLE 12

		PERCENT	FREQUEN	CY VSB	(NM)	BY HOUR		CUMULAT	IVE PCT	FREQ G HGT	OF RAN	GES OF NH >4/8	VSBY (NM)	AND/OR
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL
00603	.0	.0	.4	2.0	19.2	78.4	250	60300	1.1	2.2	9.7	29.0	61.3	93
06609	.3	.8	1.0	2.4	29.3	60.2	382	90360	.0	2.2	9.9	45.1	45.1	91
12615	.0	.0	2.4	.4	25.8	71.4	248	12815	.0	.9	7.0	26.3	66.7	114
18621	.0	1.1	1.1	1.1	24.6	71.9	349	18621	.0	1.0	5.2	30.2	64.6	96
TOT PCT	.1	.6	15	19	310	877	1229	TOT	1 .3	1.5		127	236	394

TABLE 13

	PERC	ENT FR	EQUENC	Y 0 F R	FLATIV	-	DITY 8	V TEMP		
TEMP F			-					90-100	TOTAL OBS	PCT
75/79	.0	.0	.0	.0	.7	1.8	.5	.0	13	3.0
70/74	.0	.0	.0	.5	5.0	8.9	8.0	4.6	118	27.0
65/69	.0	.0	.0	1.1	6.6	23.1	22.2	6.9	262	60.0
60/64	.0	.0	.0	.0	1.1	3.9	3.0	2.1	44	10.1
TOTAL	0	0	0	7	59	165	147	59	437	100.0
PCT	.0	.0	.0	1.6	13.5	37.8	33.6	13.5		

TABLE 14

	PERC	ENT FR	EQUENC.	OF W	IND DI	RECTIO	N BY T	EMP	
N	NE	Ε	SE	S	SW		NW	VAR	CALM
.5	.2	.0	1.1	.0	.5	.3	.3	.0	.0
9.1	5.7		.3	.2	2.0	3.6	3.8	.0	1.6
23.5	17.6	2.9	1.3	2.6	3.0	1.9	5.4	.0	1.8
3.8	4.0	.0	.0	.2	.0	.5	1.5	.0	.0
36.9	27.5	3.6	2.7	3.1	5.4	6.3	11.1	.0	3.4

TABLE 15

		EN . NEM		LEWCE		U. 1E	11 (00	0 ., 0	HUOK
HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL
00603	76	72	70	66	63	61	59	66.4	421
06609	77	73	71	66	63	61	61	66.6	704
12615	79	78	75	69	65	64	60	69.7	408
18621	82	77	75	69	64	63	57	69.0	702
101	82	77	73	68	64	62	57	67.9	2235

	PERC	ENT FRE	QUENCY	OF RELA	TIVE H	UMIDITY	BY HOU	
HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
60300	.0	1.0	6.7	32.4	44.8	15.2	81	105
90300	.0	.9	8.0	32.1	40.2	18.8	81	112
12615	.0	2.4	21.6	41.6	24.0	10.4	76	125
18621	.0	1.8	16.5	40.4	31.2	10.1	77	109
TOT	0	7	61	166	156	61	79	451

PERIOD: (PRIMARY) 1893-1973 (OVER-ALL) 1854-1973

TABLE 17

AREA 0002 MADEIRA ISLANDS 32.5N 16.6W

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

	-		-						
AIR-SEA	57	61	65	69	73	77	TOT	w	WD
THP DIF	60	64	68	72	76	80		FOG	FUG
11/13	.0	.0	.0	. 2	.0	.0	1	.0	.2
9/10	.0	.0	.0	.2	.3	.5	6	.0	.9
7/8	.0	.0	.2	. 3	.3	. 2	6	.0	.9
6	.0	.0	.0	.3	.5	.2	5	.0	.9
5	• 0	.0	.2	.9	.3	.2	6 5 15	.0	2.3
	• 0	.0	.3	2.6	1.1	. 2	27	.0	4.2
3	• 0	.0	.5	2.8	2.3	.0	36	.5	5.1
2	• 0	.0	2.6	5.3	.8	.0	56	.0	8.7
1	.0	.0	5.1	5.7	.6	.0	74	. 2	11.3
3 2 1	.0	.6	11.5	7.6	.6	.0	128	.2	19.7
-1	.0	2.2	15.3	3.6	.0	.0	136	.3	20.7
-2	.0	1.9	9.0	1.7	.0	.0	81	.0	12.5
-3	•0	1.7	2.9	. 3	.2	.0	33	.3	4.8
-4	.0	1.7	1.9	.0	.0	.0	23	.0	3.6
-5	.0	.5	.8	.2	.0	.0	9	.0	1.4
-6	.0	.6	.2	.0	.0	.0	5	.0	. 8
-7/-8	.2	.2	.3	.0	.0	.0	4	.0	.6
-11/-13	.0	.0	.0	.2	47	.0	1	.0	.2
TOTAL	1		327		47			9	637
		60		204		7	646		
PCT	.2	9.3	50.6	31.6	7.3	1.1	100.0	1.4	98.6

PERIOU: (OVER-ALL) 1963-1973

N						HTS (FT)		
					NE			
HGT 1-3 4-10 11-21 22-33 34-47 48+		1-3	4-10	11-21	22-33	34-47	48+	PCT
<1 .0 3.0 .0 .0 .0 .0		.5	1.0	.0	.0	.0	.0	1.5
1-2 .0 9.6 2.6 .0 .0 .0		.5	4.3	1.7	.0	.0	.0	6.5
3-4 .5 6.5 7.1 .4 .0 .0		.0	2.2	5.4	.6	.0	.0	8.3
5-6 .0 2.2 2.6 .0 .0 .0		.0	1.1	5.7	.0	.0	.0	6.8
7 .0 1.8 1.0 .5 .0 .0		.0	.0	2.0	.0	.0	.0	2.0
8-9 .0 .0 .4 .4 .0 .0		.0	.0	.1	.6	.0	.0	.7
10-11 .0 .0 .4 .0 .0 .0		.0	• 0	.6	.0	.0	.0	.6
12 .0 .0 .0 .0 .0 .0		.0	.0	.0	.5	.0	.0	.5
13-16 .0 .0 .0 .0 .0		.0	.0	.0	.0	.0	.0	.0
17-19 .0 .0 .0 .0 .0 .0		.0	.0	.0	.0	.0	.0	.0
20-22 .0 .0 .0 .0 .0		.0	.0	.0	.0	.0	.0	.0
23-25 .0 .0 .0 .0 .0 .0		.0	.0	.0	.0	.0	.0	.0
26-32 .0 .0 .0 .0 .0		.0	.0	.0	.0	.0	.0	.0
33-40 .0 .0 .0 .0 .0		.0	.0	.0	.0	.0	.0	.0
41-48 .0 .0 .0 .0 .0		.0	.0	.0	.0	.0	.0	.0
49-60 .0 .0 .0 .0 .0		.0	.0	.0	.0	.0	.0	.0
61-70 .0 .0 .0 .0 .0		.0	.0	.0	.0	.0	.0	.0
71-86 .0 .0 .0 .0 .0		.0	.0	.0	.0	.0	.0	.0
87+ .0 .0 .0 .0 .0		.0	.0	.0	.0	.0	.0	.0
TOT PCT .5 23.2 14.0 1.2 .0 .0	38.9	1.0	8.6	15.5	1.7	.0	.0	26.8
HGT 1-3 4-10 11-21 22-33 34-47 48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1 .9 .0 .0 .0 .0 .0		.1	.5	.0	.0	.0	.0	. 6
1-2 .0 2.3 1.0 .0 .0 .0	3,3	.0	1.6	.1	.0	.0	.0	1.7
3-4 .0 1.0 .5 .0 .0 .0		.0	•0	.0	.0	.0	.0	.0
5-6 .0 .0 .0 .0 .0		.0	.0	.0	.0	.0	.0	.0
7 .0 .0 .0 .0 .0		.0	.0	.0	.0	.0	.0	.0
8-9 .0 .0 .0 .0 .0		.0	.0	.0	.0	.0	.0	.0
10-11 .0 .0 .0 .0 .0		.0	.0	.0	.0	.0	.0	.0
12 .0 .0 .0 .0 .0 .0	.0	.0	.0	.0	.0	.0	.0	.0
13-16 .0 .0 .0 .0 .0 .0		.0	.0	.0	.0	.0	.0	.0
17-19 .0 .0 .0 .0 .0 .0		.0	.0	.0	.0	.0	.0	.0
20-22 .0 .0 .0 .0 .0 .0		.0	.0	.0	.0	.0	.0	.0
23-25 .0 .0 .0 .0 .0		.0	.0	.0	.0	.0	0	.0
26-32 .0 .0 .0 .0 .0		.0	.0	.0	.0	.0	.0	.0
33-40 .0 .0 .0 .0 .0	.0	.0	.0	.0	.0	.0	.0	.0
41-48 .0 .0 .0 .0 .0		.0	.0	.0	.0	.0	.0	.0
49-60 .0 .0 .0 .0 .0		.0	•0	.0	.0	.0	.0	.0
61-70 .0 .0 .0 .0 .0		.0	.0	.0	.0	.0	.0	.0
71-86 .0 .0 .0 .0 .0		.0	.0	.0	.0	.0	.0	.0
87+ .0 .0 .0 .0 .0 .0		.0	.0	.0	.0	.0	.0	.0
TOT PCT .9 3.3 1.5 .0 .0 .0	5.7	.1	2.1	.1	.0	.0	.0	2.3

PER100:	Inve	0-411	1963-1	973					JL	JNE				AREA	0003	MADETRA	ISLANDS
PENIOU.	(016	H-ALL)	1,03-1	*(3				TABLE	18	CONT							.6W
				PC	T FREO	OF WIND	SPEED	(KTS)	AND	DIREC	TION	VERSUS :	SEA HEIG	HTS (FT)		
				s									SW				
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT			1-3	4-10		22-33	34-47	48+	PCT	
<1	.5	.9	.0	.0	.0	.0	1.4			.0	1.6		.0	.0	.0	1.6	
1-2	.0	2.3	1.4	.0	.0	.0	3.7			.0	2.0		.0	.0	.0	3.4	
3-4	.0	.0	.0	.5	.0	.0	.5			.0	.0		.0	.0	.0	.0	
5-6	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
13-16	.0	•0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
17-19	.0	•0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
26-32	.0	• 0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0			.0	•0		.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0			.0	.0				.0	.0	
61-70	.0	•0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
71-86	.0	• 0	.0	.0	.0	.0	.0			.0					.0	.0	
87+	.0	.0	.0	.0	.0	.0	5.5			.0	3.6		.0	.0	.0	5.0	
TOT PCT	.5	3.2	1.4	.5	.0	.0	2.9			•0	3.0	1.0			••	3.0	
													NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT			1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.5	.5	.0	.0	.0	.0	1.0			.0	1.5	.0	.0	.0	.0	1.5	
1-2	.4	1.0	.5	.0	.0	.0	1.8			1.1	3.0	1.1	.0	.0	.0	5.2	
3-4	.0	.0	.5	.0	.0	.0	.5			.0	1.1	.7	.0	.0	.0	1.8	
5-6	.0	.5	.0	.0	.0	.0	.5			.0	.6	.6	.0	.0	.0	1.2	
7	.0	.0	.0	.0	.0	.0	.0			.0	. 1	.0	.0	.0	.0	.1	
8-9	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	98.0
TOT PCT	.9	2.0	1.0	.0	.0	.0	3.8			1.1	6.3	2.5	.0	.0	.0	9.9	90.0

	MIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	4.9	9.2	.0	.0	.0	.0	14.1	003
1-2	2.4	25.7	9.7	.0	.0	.0	37.9	
3-4	.5	10.7	14.1	1.5	.0	.0	26.7	
5-6	•0	4.4	8.7	.0	.0	.0	13.1	
7	•0	1.9	2.9	.5	.0	.0	5.3	
8-9	•0	.0	.5	1.0	.0	.0	1.5	
10-11	•0	.0	1.0	.0	.0	.0	1.0	
12	.0	.0	.0	.5	.0	.0	.5	
13-16	•0	.0	.0	.0	.0	.0	.0	
17-19	•0	.0	.0	.0	.0	.0	.0	
20-22	•0	.0	.0	.0	.0	.0	.0	
23-25	•0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	•0	.0	.0	.0	.0	.0	.0	
71-86	•0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								206
TOT PCT	7.8	51.9	36.9	3.4	.0	.0	100.0	

PERIO	D: (OV	ER-ALL) 194	9-1973	3				TABLE	19											
					PERCENT	FRE	DUENCY OF	WAY	E HEIG	HT (F	T) VS	WAVE P	ERIOD	SECON	DS)						
PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
6-7	3.4	10.7	15.4	5.3	3.8	.9	:6	.0	.0	:0	.0	.0	.0	.0	.0	.0	.0	.0	.0	128	3
	.0	1.3	8.5	7.2	4.7	.6	. 4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	74	9
8-9	.0	.0	1.3	2.8	2.8	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	28	6
10-11	.0	1.3	.6	1.6	.9	.3	.6	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	18	6
12-13	.0	.0	.0	.3	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	7
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	3.1	4.7	4.1	6.9	1.3	1.3	.0	. 3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	69	4
TOTAL	21	57	95	77	43	17	7	1	1	0	0	0	0	0	0	0	0	0	0	319	4
PCT	6.6	17.9	29.8	24.1	13.5	5.3	2.2	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1890-1969 (OVER-ALL) 1855-1969

TABLE I

AREA 0002 MADEIRA ISLANDS 32.5N 16.6W

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHENO	MENA	
WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	PCPN PAST HR	SMOKE	SPRAY BLWG DUS BLWG SNO	
N NE	.6	.6	.6	.0	:0	.0	:0	1.8	.0	:9	1:0	:0	1.4	:0	95.9
			.0	.0	.0		.0	.0	3.9	.0	3.9	.0	3.9	.0	88.2
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		100.0
5	.0	.0	.0	.0	.0	•0	.0	.0	19.0	.0	.0	.0	.0	.0	81.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
	2.7	.0	.0	.0	.0	.0	.0	2.7	.0	.0	.0	.0	.0	.0	97.3
NW	1.3	.0	.0	.0	.0	.0	.0	1.3	2.5	1.3	.0	.0	1.3	.0	93.6
VAR	.0	.0	.0	.0	.0	•0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.8	.0	88.2
TOT PCT	489	.4	.2	.0	.0	.0	.0	1.0		.4	.8	.0	2.7	.0	94.5

TABLE 2

PERCENT	EREQUENCY	DE	MEATHER	OCCURRENCE	BY	HOUR

					-										
			P	RECIPT	TATIO	TYPE					OTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	NO SIG WEA
00603	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.3	.0	96.7
90300	1.5	1.5	.7	.0	.0	•0	.0	3.7	1.5	1.5	.7	.0	3.0	.0	90.3
12615	.0	•0	.0	.0		.0	.0	.0	.6	.0	.6	.0	3.7	.0	95.1
18621	.0	.0	.0	.0	.0	•0	.0	.0	.8	.0	1.6	•0	1.6	.0	96.1
TOT PCT	514	.4	.2	.0	.0	•0	.0	1.0	.6	.4	.8	.0	2.9	.0	94.4

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

				· che		. WE ANE											
		WI	ND SPE	ED (KN	ופדם								HOUR	(GMT)			
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	DBS	FREQ	SPD	00	03	06	09	12	15	18	21
N	1.6	14.9	11.7	1.4		.0		29.7	10.8	32.8	25.0	30.5		27.9		30.1	29.0
NE	1.5	15.0	21.6	2.8		.0		40.9	12.5	37.0	61.1	42.3	43.7	42.3	71.4	41.1	37.8
E	.5	1.9	2.6	.5	.0	.0		5.5	12.3	3.9	11.1	4.1	7.1	6.1	.0	5.4	7.2
SE	.1	.5	.1		.0	.0		.7	7.9	1.0	.0	.9	4	.9	.0	.3	.9
S	.3	.6	.1		.0	.0		1.1	7.1	1.6	.0	.5	1.4	1.1	.0	1.6	.7
SW	.4	2.2	.3	.0	.0	.0		2.9	6.8	3.4	.0	2.0	1.8	4.0	.0	3.3	2.7
	.7	3.7	.9	.0	.0	.0		5.3	7.1	6.6	.0	3.8	5.9	4.4	14.3	5.0	6.5
NW	1.1	6.2	2.2		.0	.0		9.6	8.1	9.9	2.8	11.3	6.5	8.4	3.6	10.0	11.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	4.3							4.3	.0	3.8	.0	4.5	5.1	5.0		3.3	4.2
TOT DBS	211	908	794	99	1	0	2013		10.5	345	9	379	253	401	7	336	
TOT PCT	10.5	45.1				.0		100.0			100.0	100.0		100.0	100.0		100.0

TABLE 3A

		HIND	SPEED	(KNOTS)						HOU	GHT)
WND DIR	0-6	7-16	17-27		41+	TOTAL	FREQ	SPD	00	06	12	18
N NE	7.4	17.1	5.1	.2	.0		29.7	10.8	32.6	29.5	27.6	29.6
	1.3	2.5	1.5	.1	.0		5.5	12.3	4.1	5.3	6.0	6.2
E SE	.5	.1	.1	.0	.0		.7	7.9	1.0	.7	.9	.6
S	.7	.3			.0		1.1	7.1	1.6	.9	1.1	1.2
SW	1.6	1.3		.0	.0		2.9	5.8	3.3	1.9	3.9	3.0
W	2.8	2.4	.1	.0	.0		5.3	7.1	6.4	4.7	4.6	5.7
NW	4.3	4.6	.6	.0	.0		9.6	8.1	9.7	9.4	8.3	10.4
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	4.3	-					4.3	.0	3.7	4.7	4.9	3.7
TOT DBS	591	1029	380	13	0	2013		10.5	354	632	408	619
TOT DET	20 4	. 1	10 0				100 0		100.0	100.0		

									JUL	0.00					
1	PERIOD:	(PRIMARY)	1890-196 1855-196						TABLE	4			AREA	0002 HADE 32.5N	IRA ISLAND 16.6W
					PER	ENTAGE	FREQU	ENCY OF	WIND S	PEED BY	HOUR	(GAT)			
			HOUR	CALM	1-3	4-10		SPEED 22-33			MEAN	PCT	TOTAL OBS		
			00603	3.7	5.4	48.6	37.3		.:			100.0	354 632		
			12615 18621 TOT	3.7	8.3 5.5 125	40.9 43.8 908	41.5	5.3				100.0	408 619 2013		
			PCT	4.3	6.2	45.1	39.4	4.9				100.0	2015		

TABLE 5

5

TABLE 4

P	CT FRE			D DIREC		EIGHTHS)			PERCEN	TAGE F	REQUEN	CY OF	CEILIN NH <5/	G HEIG	IND DI	T,NH	94/8) ON	
WND DIR	0-2	3-4	5-7	8 & 085CD	TOTAL	COVER	000 149	150 299	300 599	600 999	1000	2000 3499	3500 4999	5000 6499	6500 7999	9000+	NH <5/8	
N	9.7	9.1	9.1	5.8		4.3	.0	.0	.0	3.0	3.5	3.2	1.8	.6	.2	.6	20.7	
NE	12.7	7.7	12.3	6.1		4.3	.0	.0	.0	2.7	4.2	4.0	4.4	.9	.1	.0	22.5	
E	2.1	.8	2.2	1.2		4.5	.0	.0	.0	.0	.2	.6	.5	.7	.0	.3	4.0	
SE	.5	.0	.3	.0		3.6	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.5	
5	.9	.2	.0	.0		1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	
SW	1.6	.6	1.0	.0		2.9	.0	.0	.0	.0	.4	.0	.3	.0	.0	.0	2.5	
*	1.9	.9	.6	.2		2.7	.0	.0	.0	.0	.2	.0	.2	.0	.0	.0	3.1	
NW	4.0	2.7	1.9	.9		3.7	.0	.0	. 3	.2	.5	.6	.9	.0	.0	.0	7.0	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	2.9	.0	.0	.3		1.8	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	2.9	
TOT OBS	112	68	85	45	310	4.0	0	.0		18	29	26	26		.0	.0		210
TOT PCT	36.1	21.9	27.4	14.5	100.0	0	.0	.0	.3	5,8	9.4	8.4	8.4	2.3	.3	1.0	64.2	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/8) AND VSBY (NH)

					VSBY (NE	1)			
C	EILING	- OR	. OR	- OR	• OR	. nR	. OR	. OR	- DR
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
- DR	>6500	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
. OR	>5000	3.1	3.4	3.4	3.4	3.4	3.4	3.4	3.4
. DR	>3500	11.0	11.6	11.6	11.6	11.6	11.6	11.6	11.6
- OR	>2000	18.5	20.1	20.4	20.4	20.4	20.4	20.4	20.4
. OR	>1000	27.3	29.5	29.8	29.8	29.8	29.8	29.8	29.8
- OR	>600	32.3	35.4	35.7	35.7	35.7	35.7	35.7	35.7
- OR	>300	32.6	35.7	36.1	36.1	36.1	36.1	36.1	36.1
. DR	>150	32.6	35.7	36.1	36.1	36.1	30.1	36.1	36.1
	> 0	32.6	35.7	36.1	36.1	36.1	36.1	36.1	36.1
	TOTAL	104	114	115	115	115	115	115	115

TUTAL NUMBER OF OBS: 319 PCT FREQ NH <5/8: 63.9

TABLE 7A

PERCENTAGE FREQ DF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 DBSCD DBS

10.5 15.0 16.2 10.5 12.0 6.3 8.7 9.6 11.4 .0 334

PERIOD: (PRIMARY) 1890-1969 (DVER-ALL) 1855-1969

TABLE 8

AREA 0002 MADEIRA ISLANDS 32,5N 16.6W

		P	ERCENT	PRECI	F WIN	D DIRE	TH VAR	YING V	IRRENCE	F VIS	IBILI	CURRENC	E OF
VSBY (NM)		N	NE	•	se	5	SW		NW	VAR	CALM	PCT	TOTAL
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT &	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1		.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.4	
	TOT \$.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.4	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	NO PCP	.3	.6	.0	.0	.0	.0	.0	.1	.0	.2	1.2	
	TOT \$.3	.6	.0	.0	.0	.0	.0	. 1	.0	.2	1.2	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	NO PCP	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.2	
	TOT \$.0	•0	.2	.0	.0	.0	.0	.0	.0	.0	.2	
	PCP	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	
5<10	NO PCP	6.8	12.3	1.2	.0	.2	.9	1.3	1.6	.0	1.0	27.4	
	TOT \$	9.5	12.3	1.2	.0	.2	.9	1.3	1.6	.0	1.0	28.0	
	PCP	.0	.2	3.8	.0	.0	.0	2.4	.1	.0	.0	4	
10+	NO PCP	23.4	28.4		.5	.9	1.6		6.2	.0	2.2	69.7	
	101 \$	23.4	28.6	3.8	.5	.9	1.8	2.5	6.3	•0	2.2	70.1	
	TOT 085												489
	TOT PCT	33.3	41.8	5.2	.5	1.1	2.8	3.8	8.0	.0	3.5	100.0	

TABLE 9

VSBY	SPD	N								VAR	CALM	PCT	TOTAL
(MM)	KTS		NE	E	SE	S	SW	W	NW				085
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT #	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	
1/2<1	4-10	.1	.1	.0	.0	.0	.0	.0	.0	.0		.2	
	11-21	.1	.1	.0	.0	.0	.0	.0	.0	.0		.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.2	•2	.0	.0	.0	.0	.0	.0	.0	.1	.4	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	
1<2	4-10	.1	.1	.0	.0	.0	.0	.0	.1	.0		.2	
	11-21	.1	.2	.0	.0	.0	.0	.0	.0	.0		.3	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT *	.2	.3	.0	.0	.0	.0	.0	.1	.0	.1	.6	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	4-10	.1	.3	.0	.0	.0	.0	.0	.0	.0		.3	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.1	.0	.0	.0	.0	.0	.0		.1	
	TOT #	.1	.3	.1	.0	.0	.0	.0	.0	.0	.0	.4	
-	0-3	.5	.5	.0	.0	.0	.1	.1	.1	.0	.5	1.6	
5<10	4-10	2.0	3,0	.6	.0	.1	.5	.5	.9	.0		7.6	
	11-21	3.6	5,2	.3	.0	.0	.0	.1	.1	.0		9.3	
	22+	.2	.4	.0	.0	.0	.0	.0	.1	.0	71795	.7	
	TOT %	6.4	9.1	.9	.0	.1	.6	.7	1.1	.0	.5	19.3	
	0-3	1.1	.8	.4	.2	.1	.5	.5	.1.0	.0	2.8	7.2	
10+	4-10	14.7	13.4	1.7	.6	.9	1.3	1.8	4.4	.0		38.7	
	11-21	9.3	16,8	1.5	.1	.2	.2	.4	1.7	.0		30.3	
	22+	1.0	1.6	.1	.0	.1	.0	.0	.0	.0		3.0	
	TOT %	26.1	32.8	3.7	.8	1.2	2.0	5.6	7.1	.0	2.8	79.3	
	OT 085												984
T	OT PCT	32.9	42.6	4.7	. 8	1.3	2.6	3.3	8.3	.0	3.6	100.0	

JULY

PERIOD:	(PRIMARY)	1890-1969
	LOUPE ALLS	1040

TABLE 10

AREA 0002 MADEIRA ISLANDS 32.5N 16.6W

PERCENT	FREQUENCY OF	CEILING	HEIGHTS	(FEET, NH	>4/81	AND
	DCCHORE	NE OF N	4 /5/0 01	HITTE		

HOUR (GMT)	000	150 299	300 599		1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00603	.0	.0	.0	9.4	4.7	9.4	6.3	1.6	.0	1.6	32.8	67.2	64
90300	.0	.0	.0	7.5	16.4	14.9	6.0	3.0	.0	.0	47.8	52.2	67
12615	.0	.0	.9	4.3	8.7	8.7	12.2	2.6	.0	1.7	39.1	60.9	115
18621	.0	.0	.0	3.6	7.2	2.4	4.8	1.2	1.2	.0	20.5	79.5	83
TOT	0	0	1	19	30	28	26	7	1	3	115	214	329

TARIE 1

TARLE

		PERCENT	FREQUENC	Y VS8Y	(NM)	BY HOUR		CUMULAT					VSBY (NM)	
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL
00803	.0	.0	.0	.0	16.8	83.2	202	00603	.0	.0	9.8	24.6	65.6	61
06609	.0	.3	.3	.7	23.5	75.2	302	90360	.0	.0	9.4	40.6	50.0	64
12615	.0	.4	2.1	.4	20.7	76.4	237	12615	.0	.9	5.4	34.8	59.8	112
18621	.0	.7	.0	.4	20.4	78.4	269	18621	.0	.0	3.7	17.1	79.3	82
TOT	0		6		209	787	1010	TOT	0	1	21	94	204	319

TABLE 13

	PERC	ENT FR	EQUENC	Y OF R	ELATIV	HUMI	DITY R	Y TEMP		
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL	FREQ
80/84	.0	.0	.0			.9		•		1.7
75/79	.0	.0	.0	1,1	3.7	3.4	2.0	:0	36	10.3
70/74	.0	.0	.0	1.4	12.3	17.4	23.6	4.6	208	59.3
65/69	.0	.0	.0	.0	1.4	11.4	13.1	2.6	100	28.5
55/59	.0	.0	.0	.0	.0	.0	.3	.0	1	.3
TOTAL	0	0	0	9	62	116	139	25	351	100.0
PCT	.0	.0	.0	2.6	17.7	33.0	39.6	7.1		

TABLE 1

	PERCE	NT FRE	QUENCY	OF W	IND DI	RECTION	BY T	EMP	
N	NE	E	SE	s	SW	W	NW	VAR	CALF
3.0	3.6	:2	.0	.0	.0	.3	:1	.0	.0
20.7	24.1	2.7	.4	.0	1.6	2.0	5.6	.0	2.3
8.1	13.4	1.5		.0		2.0			1.1
.0	.0	.0	.0	.3	.0	.0	.0	.0	.0
32.3	41.8	5.2	.6	.6	2.3	4.6	8.4	.0	4.3

TABLE 15

	MEANS,	EXTREME	S AND	PERCEN	TILES	OF TEN	P (DE	G F I B	Y HOUR
HOUR (GMT)	MAX	99%	95%	50%	5%	18	MIN	MEAN	TOTAL
60300	80	75	73	69	66	65	65	69.5	354
90300	83	77	74	69	66	65	63	69.5	633
12615	84	83	78	72	68	67	65	72.7	397
18621	84	80	77	71	68	66	59	71.6	601
TOT	84	80	75	70	66	65	59	70.8	1985

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
60300	.0	1.5	10.3	27.9	48.5	11.8	79	68
06609	.0	1.1	6.7	27.8	52.2	12.2	81	90
12615	.0	3.9	25.0	36.7	30.5	3.9	75	128
18621	.0	2.4	25.6	34.1	34.1	3.7	76	82
TOT	0	9	66	119	147	27	78	368

PERIOD: (PRIMARY) 1890-1969 (OVER-ALL) 1855-1969

TABLE 17

AREA 0002 MADEIRA ISLANDS 32.5N 16.6W

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA	61	65	69	73	77	81	TOT		WO
THP DIF	64	68	72	76	80	84		FOG	FOG
11/13	.0	.0	.0	.0	.0	.7	3	.0	.7
9/10	.0	.0	.0	.2	.0	.0	1	.0	.2
7/8	.0	.0	.0	.4	.4	.2	5	.0	1.1
6	.0	.0	.2	.7	.9	.0	14	.2	1.5
5	.0	.0	.0	1.5	1.1	.4	14	.0	3.1
	.0	.2	.4	2.8	.9	.0	20	.0	4.4
6 5 4 3	.0	.0	1.5	2.8	.4	.0	22	.0	4.8
2	.0	.4	5.7	5.2	.2	.0	53	.2	11.3
1	.0	.4	7.8	2.4	.2	.0	50	.2	10.7
0	.0	3.5	15.3	1.7	.2	.0	95	.0	20.7
-1	.0	4.1	15.0	1.1	.0	.0	93	.2	20.0
-2	.2	2.8	3.9	.0	.0	.0	32	.0	7.0
-3	.0	3.1	5.0	.2	.2	.0	39	.0	8.5
-4	.0	1.1	1.3	.0	.0	.0	11	.0	2.4
-5	.0	.9	.4	.2	.0	.0	7	.0	1.5
-6	.0	.4	.7	.0	.0	.0	5	.0	1.1
-9/-10	.2	.0	.0	.0	.0	.0	1	.0	.2
TOTAL	2		263		21			4	455
	1008	78		89		1.3	459		
PCT	.4	17.0	57.3	19.4	4.6	1.3	100.0	.9	99.1

PERIOD: (OVER-ALL) 1963-1969

TABLE 18

PCT FRED OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT) NE 22-33 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... HGT
<1
1-2
3-4
5-6
7
8-9
10-11
12
13-16
17-19
20-22
23-25
26-32
33-40
41-48
49-60
61-70
71-86
87+
TGT PCT 1-3 11-21 2.8 9.2 8.6 1.5 .0 .0 .0 .0 .0 .0 48+ 47 000 000 000 000 000 000 000 1-3 HGT <1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 23-25 26-32 34-48 49-60 61-70 71-88 87+ 1-3 48+ 48+ 1-3

PERIOD:	IDVE	R-ALL)	1963-1	969					JULY					AREA			ISLANDS
								TABLE	18 (CD	INT)					32.	5N 16	.6W
				PC	T FREQ C	F WIND	SPEED	(KTS)	AND DI	RECTIO	N I	VERSUS S	EA HEIG	HTS (FT)		
HGT	1-3	4-10	11-21	\$ 22-33	34-47	48+	PCT		1-	3 4-	10	11-21	22-33	34-47	48+	PCT	
<1	.0	.0	.0	.0	.0	.0	.0			6	.6	.0	.0	.0	.0	1.2	
1-2	.0	.0	.0	.0	.0	.0	.0			0	. 6	.0	.0	.0	.0	.6	
3-4	.0	.0	.0	.0	.0	.0	.0			0	. 6	.0	.0	.0	.0	.6	
5-6	.0	.0	.0	.0	.0	.0	.0			0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0			0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.6	.0	.0	.6			0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0			0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0			0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0			0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0			0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0			0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0			0	.0	.0	.0	•0	.0	.0	
26-32 33-40	.0	.0	.0	.0	.0	.0	.0			0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0			0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0			0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0			0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0			0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0			0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	.0	.0	.6	.0	.0	.6				.8	.0	.0	.0	.0	2.4	

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-	3 4-	10	11-21	22-33	34-47	48+	PCT	TOTAL
<1	.0	.6	.0	.0	.0	.0	.6				. 8	.0	.0	.0	.0	1.8	
1-2	.0	2.4	.4	.0	.0	.0	2.8		1.		. 2	1.0	.0	.0	.0	4.5	
3-4	.0	.0	.0	.0	.0	.0	.0			6	.6	1.2	.0	.0	.0	2.4	
5-6	.0	.0	.0	.0	.0	.0	.0			0	.0	.6	.0	•0	.0	.6	
7	.0	.0	.0	.0	.0	.0	.0			0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0			0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0			0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0			0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0			0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0			0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0			0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0			0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0			0	.0	.0	.0	•0	.0	.0	
33-40 41-48	.0	.0	.0	.0	.0	.0	:0			0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0			0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0			0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0			0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0			0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	3.0	.4	.0	.0	.0	3.4		1.	8 4	.6	2.8	.0	.0	.0	9.2	95.2
						.,						2.0			.0		

	MIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	6.5	4.7	.0	.0	.0	.0	11.2	
1-2	1.2	27.6	8.8	.0	.0	.0	37.6	
3-4	1.2	12.4	12.9	.0	.0	.0	26.5	
5-6	.6	1.2	12.9	1.8	.0	.0	16.5	
7	.0	.6	4.1	.6	.0	.0	5.3	
8-9	•0	.6	.6	1.2	.0	.0	2.4	
10-11	.0	.0	.0	.6	.0	.0		
12	•0	.0	.0	.0	.0	.0	.0	
13-16	•0	.0	.0	.0	.0	.0	.0	
17-19	•0	.0	.0	.0	.0	.0	.0	
20-22	•0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	•0	.0	.0	.0	.0	.0	.0	
49-60	•0	.0	.0	.0	.0	.0	.0	
61-70	•0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	•0	.0	.0	.0	.0	.0	.0	
-				••	••		••	170
TOT PCT	9.4	47.1	39.4	4.1	.0	.0	100.0	

PERIOD: (PRIMARY) 1890-1973 (OVER-ALL) 1854-1973

TABLE 1

AREA 0002 MADEIRA ISLANDS 32.5N 16.6W

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

				RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHENO	MENA	
WND DIR	RAIN	RAIN	DRZL	FRZG	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	FUG WO PCPN	FOG WU PCPN PAST HR	SMOKE	SPRAY BLWG DUS BLWG SNU	
N NE	:0	:5	:0	:0	.0	.0	:0	:5	2.2	:6	3.5	.0	2.7	:0	90.4
E SE	3.0	.0	.0	.0	.0	.0	.0	3.0	.0	.0	3.0	.0	.0	.0	94.0
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	:0	.0	.0	.0	.0	100.0
SW	.0	3.6	3.6	.0	.0	.0	.0	7.3	.0	.0	.0	.0	.0	:0	93.8
VAR	.0	.0	1.2	.0	.0	.0	.0	1.2	.6	.0	3.7	.0	1.9	.0	92.5
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.7	.0	93.3
TOT PCT	522	.8	.2	.0	.0	.0	.0	1.3	1.0	.2	4.0	.0	2.5	.0	91.0

TABLE 2

					2	ERCENT	FREQUE	NCY OF WE	ATHER OCCUP	RENCE	BY HOL	IR			
			F	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG NU PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	
00603 06609 12615 18621	1.4 .6	.0 2.0 .0 1.4	1.1	.0	.0	.0	.0	1.1 3.4 .6 1.4	1.1 1.4 .6 .7	1.4	2.2 4.1 1.9 8.1	•0	1.1 3.4 2.6 2.0		94.6 87.1 94.2 87.8
TOT PCT TOT OBS:	.6 544	.9	•2	.0	.0	•0	•0	1.7	.9	.4	4.2	•0	2.4	•0	90.6

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		WI	ND SPE	ED (KN	OTS)								HOUR	(GMT)			
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	FREQ	SPD	00	03	06	09	12	15	18	21
N NE	1.9	13.7	9.1	1.3	.0	.0		25.9	10.5	26.0	87.5 12.5	27.6	27.1	25.6	25.0	24.9	23.5
E	.4	3.7	2.8	.6	.0	.0		7.6	11.4	6.8	.0	6.4	5.0	9.9	.0	8.3	8.7
SE	.3	1.4	.6	.2	.0	.0		2.5	9.8	2.7	.0	1.9	2.7	3.1	.0	2.2	2.4
S	.3	.7	.2		.0	.0		1.2	5.8	1.1	.0	.4	1.7	1.0	.0	1.9	1.4
SW	.4	1.1	.5	.0	.0	.0		2.1	7.2	1.9	.0	1.5	2.4	1.3	.0	2.7	3.1
*	.8	2.5	.5	.2	.0	.0		4.0	7.6	3.7	.0	3.5	5.1	4.0	.0	3.9	4.5
NW	.8	5.7	2.1	.1		.0		8.7	8.3	9.0	.0	10.0	7.4	7.3	25.0	8.1	9.7
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	4.0							4.0	.0	5.4	.0	5.1	6.3	1.9	.0	3.4	2.4
TOT OBS	210	926	725	124	3	0	1988		10.6	354	2	389	238	360	. 4	349	292
TOT PCT	10.6	46.6	36.5	6.2	.2	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

_		_	

WND DIR	0-6	7-16	SPEED 17-27		41+	TOTAL	PCT	MEAN SPD	00	06 09	12 15	18 21
N NE	6.8	14.9	3.9	1.2	.0		25.9	10.5	26.3	27.4	25.6	24.3
	2.0	3.9	1.6	.1	.0		7.6	11.4	6.7	5.9	9.8	8.5
2E	1.0	1.0	.4		.0		2.5	9.8	2.7	2.2	3.0	2.3
5	.9	.3	.0	.0	.0		1.2	5.8	1.1	.9	1.0	1.6
SW	1.1	.9		.0	.0		2.1	7.2	1.9	1.9	1.2	2.9
	2.4	1.2	.4	.1	.0		4.0	7.6	3.7	4.1	3.9	4.1
NW	4.2	3.8	.7	.1	.0		8.7	8.3	9.0	9.0	7.5	8.8
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	4.0						4.0	.0	5.3	5.6	1.9	3.0
TOT OBS	585	1021	349	33	0	1988		10.6	356	627	364	641
TOT PCT	20 4		17 4	1 7	0		100 0		100 0	100 0	100 0	100.0

AUGUST

PERIOD: (PRIMARY) 1890-1973 (QVER-ALL) 1854-1973

TABLE 4

AREA 0002 MADEIRA ISLANDS 32.5N 16.6W

PERCENTAGE	FREQUENCY	OF	WIND	SPEED	BY	HOUR	(GMT)

				WIND	SPEED I	KNOTS)			PCT	TOTAL
HOUR	CALM	1-3	4-10		22-33	34-47	48+	MEAN	FREQ	OBS
60300	5.3	5.1	45.2	37.9	6.5	.0	.0	10.8	100.0	356
90300	5.6	6.4	47.5	34.4	6.1	.0	.0	10.2	100.0	627
12615	1.9	8.5	44.2	40.1	4.9	.3	.0	10.9	100.0	364
18621	3.0	6.4	47.7	35.6	7.0	.3	.0	10.6	100.0	641
TUT	80	130	926	725	124	3	0	10.6		1988
DCT	4 0	4 5	44 4	24 .	4 2	,	0		100 0	

TABLE 5

....

P	PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION						PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION											
WND DIR	0-2	3-4	5-7	8 & 085CD	TOTAL DBS	CLOUD COVER	000	150 299	300 599	600	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	
N	11.6	7.0	9.8	3.9		4.0	.0	.0	.3	2.5	3.9	3.6	.2	.8	.2	.2		
NE	11.1	12.1	14.3	7.4		4.4	.0	.0	.3	4.8	6.4	4.6	1.5	.5	.1	.1	26.7	
E	3.6	1.1	1.4	1.0		3.7	.0	.0	.0	.2	. 8	.5	.5	.0	.0	.0	5.0	
SE	.6	.3	.4	.0		3.0	.0	.0	.0	.3	.1	.0	.0	.0	.0	.0	.9	
5	.8	.4	.6	.0		3.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	
SW	.8	.6	.2	.0		2.8	.0	.0	.0	.0	.2	.0	.0	. 0	.0	.0	1.4	
	.7	.5	.7	.3		4.5	.0	.0	.0	.0	.2	.3	.0	.0	.0	.0	1.7	
NW	2.3	2.5	1.9	. 4		3.7	.0	.0	.0	.3	1.2	.6	.0	.0	.0	.0	5.0	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.6	.6	.6	.3		4.5	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	1.8	
TOT OBS	107	83	99	44	333	4.1	0	0	2	27	42	33	7	4	1	1	216	333
TOT PCT	32.1	24.9	29.7	13.2	100.0		.0	.0	.6	8.1	12.6	9.9	2.1	1.2	.3	.3	64.9	100.0

TABLE T

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSLY (NM)

					VSBY (NM)			
C	EILING	- OR	- OR	- DR	- OR	. nR	- DR	- OR	- DR
	FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
OR	>6500	.6	.6	.6	.6	.6	.6	.6	.6
DR	>5000	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
OR	>3500	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
OR	>2000	12.6	13.5	13.8	13.8	13.8	13.8	13.8	13.8
DR	>1000	23.7	25.4	26.0	26.0	26.0	26.0	26.0	26.0
DR	>600	30.8	33.2	33.8	33.8	33.8	33.8	33.8	33.8
OR	>300	31.1	33.8	34.4	34.4	34.4	34.4	34.4	34.4
OR	>150	31.1	33.8	34.4	34.4	34.4	34.4	34.4	34.4
DR	> 0	31.1	33.8	34.4	34.4	34.4	34.4	34.4	34.4
	TOTAL	104	113	115	115	115	115	115	115

TOTAL NUMBER OF OBS: 334

PCT FREQ NH <5/8: 65.6

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 DBSCD DBS 6.5 13.0 18.9 16.9 9.9 4.5 11.0 9.0 10.2 .0 354

AUGUST

PERIOD:	(PRIMARY)	1890-1973
	COUCH ALL	

TABLE 8

AREA 0002 MADEIRA ISLANUS 32.5N 16.6W

				PREC	IPITAT	ION WI	H VAR	YING V	ALUES	DF VIS	18111	14	
(NM)		N	NE	F	SE	5	SW		NW	VAR	CALM	PCT	TOTAL
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
(1/2	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT &	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1		1.1	1.5	.2	.0	.0	.0	.0	.3	.0	.0	3.1	
	101 \$	1.1	1.5	.2	.0	.0	.0	.0	.3	.0	.0	3.1	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	NO PCP	.5	1.0	.0	.0	.0	.0	.0	.1	.0	.2	1.7	
	TOT %	.5	1.0	.0	.0	.0	.0	.0	.1	.0	.2	1.7	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	NO PCP	.0	.2	.1	.0	.0	.0	.0	.2	.0	.2	. 8	
	TOT &	.0	.2	.1	.0	.0	.0	.0	.2	.0	•2	.8	
	PCP	.0	.4	.2	.2	.0	.1	.2	.1	.0	.0	1.1	
5<10	NO PCP	6.8	13.2	1.2	.6	.3	.5	.9	2.3	.0	1.1	27.0	
	TOT \$	6.8	13.6	1.4	.8	.3	.6	1.1	2.4	.0	1.1	28.2	
	PCP	.1		.0	.0	.0	.0	.0	.0	.0	.0	.2	
10+	NO PCP	21.4	29.9	4.6	.6	1.0	1.0	1.6	4.7	.0	1.3	66.1	
	TOT \$	21.5	30.0	4.6	.6	1.0	1.0	1.6	4.7	.0	1.3	66.3	
	TOT OBS												522
	TOT PCT	29.9	46.3	6.4	1.4	1.3	1.5	2.6	7.7	.0	2.9	100.0	

TABLE 9

									ISIBIL				
VSBY	KTS	N	NE	E	SE	S	SW		NW	VAR	CALM	PCT	TOTAL
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT \$.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	4-10	.4	.2	.1	.0	.0	.0	.0	.0	.0		.6	
	11-21	.2	.5	.1	.0	.0	.0	.0	.2	.0		.8	
	22+	.0	.2	.0	.0	.0	.0	.0	.0	.0		.2	
	TOT \$.6	.8	.1	.0	.0	.0	.0	.2	.0	.0	1.6	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	
1<2	4-10	.3	.2	.0	.0	.0	.0	.0	.1	.0		.5	
	11-21	.2	.4	.0	.0	.0	.0	.0	.0	.0		.5	
	22+	.0	.1	.0	.0	.0	.0	.0	.0	.0		.1	
	TOT %	.4	.7	.0	.0	.0	.0	.0	.1	.0	.1	1.2	
	0-3	.0	.0	.0	.0	.0	.0	.1	.0	.0	.2		
2<5	4-10	.2	.4	.1	.0	.0	.0	.0	.1	.0		.6	
	11-21	.0	.3	.1	.0	.0	.0	.0	.1	.0		.4	
	22+	.0	*	.1	.0	.0	.0	.0	.0	.0		.1	
	707 \$	•2	.6	.2	.0	.0	.0	.1	.2	.0	.2	1.4	
	0-3	.2	.3	.0	.0	.1	.2	.1	.3	.0	.8	1.9	
5<10	4-10	2.3	2.6	.7	.4	.2	.3	.3	.9	.0		7.5	
	11-21	2.3	5.3	.3	.1	.0	.0	.1	.5	.0		8.6	
	22+	.4	. 8	.1	.1	.0	.0	.2	.0	.0		1.5	
	TOT %	5.3	9.0	1.1	.5	.3	.5	.6	1.6	.0	.8	19.5	
17.75	0-3	1.3	1.0	.5	.4	.2	.5	.4	.3	.0	2.2	6.6	
10+	4-10	13.1	15.3	2.7	1.1	.7	.8	1.3	4.6	.0		39.5	
	11-21	8.0	15.1	1.7	.5	.2	.4	.3	.9	.0		27.2	
	22+	1.0	1.8	.1	.0	.0	.0	.0	.0	.0		2.9	
	TOT \$	23.3	33.2	5.0	1.9	1.1	1.7	2.0	5.8	•0	2.2	76.3	
	TOT 085												994
1 100	TOT PCT	29.7	44.3	6.3	2.4	1.3	2.2	2.7	7.8	.0	3.3	100.0	

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AUGUST

PERIOD: (PRIMARY) 1890-1973 (QVER-ALL) 1854-1973

TABLE 10

AREA DODZ MADEIRA ISLANDS 32.5N 16.6W

PERCENT FREUUENCY OF CEILING HFIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

					-				3	170			
HOUR (GMT)	000	150	300 599	600	1000	2000 3499	3500 4999	5000	6500	8000+	TOTAL	NH 45/8 ANY HGT	TOTAL
00403	.0	.0	.0	8.7	17.4	14.5	1.4	.0	.0	.0	42.0	58.0	69
90360	.0	.0	1.2	14.8	16.0	13.6	1.2	1.2	1.2	1.2	50.6	49.4	81
12615	.0	.0	.9	6.2	7.1	6.2	4.4	.9	.0	.0	25.7	74.3	113
18621	.0	.0	.0	2.3	10.3	6.0	.0	2.3	.0	.0	23.0	77.0	87
TOT	0	0	. 2	27	12.0	35	2.0	, 4	1	1	119	231	350

TABLE 1

TABLE 1

					7177							10000		
		PERCENT	FREQUEN	ICY VSB	(NM)	BY HOUR		CUMULAT					VSBY (NM)	
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL
00603	.0	.5	.5	2.6	13.3	83.2	196	00603	.0	.0	9.1	33.3	57.6	66
06609	.0	2.0	2.0	2.0	24.7	69.2	299	00609	.0	1.3	19.7	31.6	48.7	76
12615	.0	1.4	1.8	.0	19.7	77.1	218	12615	.0	.9	7.3	19.1	73.6	110
18621	.0	2.6	.3	1.0	19.6	76.5	306	18821	.0	.0	3.7	22.0	74.4	82
TOT	.0	18	12	14	203	772	1019	TOT	.0	2	9.6	85 25.4	217 65.0	334

TABLE 13

	PERC	ENT FR	EQUENC	Y OF R	ELATIV	E HUMI	DITY B	Y TEMP	TOTAL	PCT
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100		FREG
85/89	.0	.0	.0	.0	.0	.0	.3	.0	1	.3
80/84	.0	.0	.0	.0	.3	1.1	.0	.0	5	1.4
75/79	.0	.0	.3	.3	6.1	10.8	3.0	1.7	80	22.1
70/74	.0	.0	.0	.0	10.2	25.7	28.7	6.4	257	71.0
65/69	.0	.0	.0	.0	.3	1.4	2.5	1.1	19	5.2
TOTAL	0	0	1	1	61	141	125	33	362	100.0
PCT	.0	.0	.3	.3	16.9	39.0	34.5	9.1		

TABLE 14

		PERC	ENT FRE	OUENCY	. DE W	IND DI	RECTIO	N BY T	EMP	
		CHO	EN KE	40LIIC	U	1110 01				
	N	NE	E	SE	S	SW	W	NW	VAR	CALM
	.0	.0	.0	.0	.2	.1	.0	.0	.0	.0
	.3	.0	.0	.0	.0	.0	.1	.4	.0	.6
	5.4	10.5	1.9	.0	.7	.3	.9	1.9	.0	.6
2	2.7	33.4	4.5	.3	.6	1.2	1.2	5.0	.0	2.2
	1.0	3.1	.3	.0	.0	.0	.0	.3	.0	.6
2	9.4	47.0	6.7	.3	1.5	1.5	2.2	7.6	.0	3.9

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR
OUR MAX 99% 95% 50% 5% 1% MIN HEAN TOTAL
ORS
003 85 76 74 71 68 68 66 71.4 357
5609 84 77 75 72 68 67 66 71.6 630
2615 84 82 79 74 71 69 68 74.6 351
8621 86 81 78 73 70 68 64 73.4 628

TABLE 16
PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
60200	.0	.0	6.0	29.9	50.7	13.4	82	67
06609	.0	1.0	10.8	29.4	45.1	13.7	80	102
12615	.0	.9	29.6	40.9	22.6	6.1	75	115
18621	.0	.0	14.4	52.2	27.8	5.6		90
TOT	0	2	62	144	131	35	78	374

PERIOD: (PRIMARY) 1890-1973 (UVER-ALL) 1854-1973

TABLE 17

AREA 0002 MADEIKA ISLANDS 32.5N 16.6W

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FUG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA	61	65	69	73	77	81	TOT	W	WD
THP DIF	64	68	72	76	80	84		FOG	FDG
7/8	.0	.0	.0	.0	.6	.2	4	.2	.6
6	.0	.0	.0	.0	.9	.0	4	.4	.4
5	.0	.0	.0	.4	1.7	.0	10	.4	1.7
4	.0	.0	.2	1.7	1.7	.0	17	.2	3.4
3	.0	.0	.0	3.0	1.7	.0	22	1.1	3.7
2	.0	.0	1.7	7.7	.2	.0	45	.6	9.0
1	.0	.0	3.9	10.1	.6	.0	66	1.1	13.5
3 2 1	.0	.0	9.7	11.8	.6	.0	103	.2	21.9
-1	.0	.0	14.6	7.1	.2	.0	102	.6	21.3
-2	.0	.4	7.7	1.7	.4	.0	48	.0	10.3
-3	.0	.4	2.6	.9	.0	.0	18	.0	3.9
-4	.0	.9	2.2	.0	.0	.0	14	.0	3.0
-5	.0	.0	.6	.2	.0	.0	4	.0	.9
-6	.0	.0	.2	.6	.0	.0	4	.0	.9
-7/-8	.0	.0	.2	.0	.0	.0	1	.0	.2
-9/-10	.2	.0	.0	.0	.0	.0	1	.0	.2
TOTAL	1	-	203		41			23	442
	•	8		211		1	465		
PCT	.2	1.7	43.7	45.4	8.8	.2	100.0	4.9	95.1

PERIOD: (DVER-ALL) 1963-1973

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT) HGT <1 2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 61-70 71-86 89-67 71-86 89-67 71-86 89-67 71-86 11-21 .9 1.7 5.3 2.9 .4 .0 .0 .0 .0 .0 .0 .0 1-3 48+ -47 HGT
<1
1-2
3-4
5-6
7
8-9
10-11
12
13-16
17-19
22-23-25
26-32
33-40
41-48
49-60
61-70
71-86
TPCT
PCT 11-21 48+ 1-3 48+ 1-3

BER 100.	OUR		1012	2-2					AUGU	ST							
PERIOD:	COVE	K-ALL)	1963-1	973				TABLE	18	CONT				AKEA	32.		ISLANDS
				PC	T FREO OF	WIND	SPEED	(KTS)	AND	DIREC	TION	VERSUS	SEA HEIG	HTS (FT)			
				s									SW				
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT			1-3	4-10		22-33	34-47	48+	PCT	
<1	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
1-2	.0	.5	.0	.0	.0	.0	.5			.0	.0		.0	.0	.0	.0	
3-4 5-6	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.5	
7	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.1	
8-9	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
TOT PCT	.0	.5	.0	.0	.0	.0	.5			.0	.0	.7	.0	.0	.0	.7	
				w									NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT			1-3	4-10		22-33	34-47	48+	PCT	PCT
<1	.0	.0	.0	.0	.0	.0	.0			.1	.3	.1	.0	.0	.0	.5	
1-2	.5	.0	.0	.0	.0	.0	.5			.0	3.3		.0	.0	.0	4.0	
3-4	.0	.0	.0	.0	.0	.0	.0			.0	•1	.0	.0	.0	.0	.1	
5-6	.0	.0	.4	.0	.0	.0	.4			.0	• 0		.0	.0	.0	.0	
8-9	.0	.0	.0	.0	•0	.0	.0			.0	.0		.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.5	
12	.0	.0	.0	.0	.0	.0	.0			.0			.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	:0			.0	.0		.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
TOT PCT	.5	.0	.4	.0	•0	.0	.9			•1	3.7	1.3	.0	.0	.0	5.2	97.4

WIND SPEED (KTS) VS SEA HEIGHT (FT) HGT 0-3 4-10 11-21 22-33 34-47 48+ P	CT TOT OBS
HGT 0-3 4-10 11-21 22-33 34-47 48+ P	OBS
	.0
<1 5.8 5.2 1.0 .0 .0 .0 12	
	.5
	.6
	.1
	.6
	.0
	.0
	.0
	.0
20-22 .0 .0 .0 .0 .0	.0
23-25 .0 .0 .0 .0 .0	.0
26-32 .0 .0 .0 .0 .0	.0
33-40 .0 .0 .0 .0 .0	.0
41-48 .0 .0 .0 .0 .0	.0
49-60 .0 .0 .0 .0 .0	.0
61-70 .0 .0 .0 .0 .0	.0
71-86 .0 .0 .0 .0 .0	.0
87+ .0 .0 .0 .0 .0	.0
	191
TOT PCT 7.3 48.7 41.9 2.1 .0 .0 100	

PERIO): (OV	ER-ALL) 194	9-197	3					TABLE	19											
					PERCENT	FRE	QUENCY	OF	WAV	E HEIGH	HT (FT) VS	WAVE P	ERIOD	(SECON	DS)						
PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11		12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN
6-7	2.2	15.0	15.0	10.1	3.7	1.9	.7		.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	111	3
8-9	.0	.7	1.9	3.0		.7	.0		.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	28	5
10-11	.0	.4	.4	1.5	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6	4
12-13	.0	.0	1.1	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	3
>13	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	1.9	3.7	4.1	3.7	1.5	.4	.7		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	43	4
TOTAL	11	57	85	61	31	15	5		2	0	0	0	0	0	0	0	0	0	0	0	267	4
PCT	4.1	21.3	31.8	22.8	11.6	5.6	1.9		. 7	-0	-0	- 0	- 0	-0	-0	- 0	- 0	- 0	-0	-0	100.0	

SEPTEMBER

PERIOD: (PRIMARY) 1895-1973 (OVER-ALL) 1854-1973

TABLE 1

AREA 0002 MADEIRA ISLANDS 32.5N 16.6W

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	ND SIG WEA
N	.7	1.9	.4	.0	.0	•0	.0	3.1	.4	.6	1.8	.0	.0	.0	94.0
NE	1.7	1.0	.6	.0	.0	• 0	.0	3.2	2.0	.0	2.6	.0	.0	.0	92.1
E	.0	2.8	.0	.0	.0	.0	.0	2.8	.0	.0	5.6	.0	.0	.0	91.7
SE	.0	11.1	.0	.0	.0	• 0	.0	11.1	.0	.0	.0	.0	.0	.0	88.9
S	.0	.0	.0	.0	.0	•0	.0	.0	20.4	.0	.0	.0	.0	.0	79.6
SW	3.2	8.2	.0	.0	.0	.0	.0	11.4	.5	.0	.0	.0	.0	.0	88.2
W	3.2	5.0	1.4	.0	.0	.0	.0	9.6	.0	2.8	1.4	.0	.0	.0	87.6
NW	4.8	2.2	.0	.0	.0	.0	.0	7.1	1.5	.0	1.5	.0	1.5	.0	88.5
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	4.5	.0	.0	.0	.0	.0	.0	4.5	.0	.0	.0	.0	4.5	.0	90.9
TOT PCT TOT OBS:	2.0 658	2.6	.5	.0	.0	.0	.0	5.0	1.4	.5	2.0	.0	.3	.0	91.0

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			P	RECIPI	TATIO	H TYPE					OTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	NO SIG WEA
00603 06609 12615 18621	3.0 1.1 1.1 2.5	2.3 2.2 2.8 4.5	1.7 1.1 .5	.0	.0	•0	.0	5.3 5.0 5.1 7.4	2.3 2.2 1.1	1.5	.8 3.4 1.7 1.5	.0 .0	.6	.0	91.0 88.8 91.5 90.1
TOT PCT	1.9	3.0	.9	.0	.0	•0	.0	5.8	1.4	.4	1.9	.0	.3	.0	90.3

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		WI	ND SPE	ED (KN	OTS)								HOUR	(GMT)			
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N NE	1.6	12.6	6.3	1.2	:0	.0		21.3	9.5	22.0	27.5	22.6	19.4	22.5		20.8	
E	1.4	4.1	2.5	.2	.1	.0		8.2	9.1	7.0	5.0	9.1	9.5	7.8	14.3	6.9	9.4
SE	.6	1.8	.3	.0		.0		2.7	7.1	1.3	.0	2.6	2.6	4.0	14.3	2.6	2.9
S	.7	1.6	.4			.0		2.7	6.9	3.5	10.0	3.0	2.6	2.9	7.1	1.6	
SW	1.2	4.6	2.0	.5		.0		8.4	9.1	8.3	20.0	8.5	9.8	8.7	7.1	8.8	5.6
W	1.6	4.9	2.6	.3	. 1	.0		9.5	9.1	10.8	.0	9.1	9.5	8.8	.0	10.4	8.8
NW	1.3	6.3	2.5	.2	.0	.0		10.2	8.5	10.2	12.5	10.5	11.3	9.3	.0	8.3	13.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	4.8							4.8	.0	5.5	.0	5.4	6.8	2.3	.0	3.0	7.5
TOT DBS	295	1018	598	62	2	0	1975		9.2	347	10	372	234	383	7	368	254
TOT PCT	14.9	51.5	30.3	3.1	.1	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WND DIR	0-6	7-16	SPEED 17-27	(KNDTS) 28-40	41+	TOTAL	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N NE	7.2	11.8	2.2	.2	.0		21.3	9.5	22.2	21.4	22.4	20.1
	3.1	4.1	.9	.1	.0		8.2	9.1	6.9	9.3	7.9	7.9
E SE	1.3	1.2	.2	.0	.0		2.7	7.1	1.3	2.6	4.2	2.7
S	1.6	1.0	.1	.0	.0		2.7	6.9	3.6	2.8	3.0	2.0
SW	3.5	3.8	.8	.2	.0		8.4	9.1	8.6	9.0	8.7	7.5
W	3.9	4.5	1.1	.1	.0		9.5	9.1	10.5	9.3	8.7	9.7
NW	4.3	4.9	1.0	.0	.0		10.2	8.5	10.3	10.8	9.2	10.2
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	4.8						4.8	.0	5.3	5.9	2.3	4.8
TOT OBS	737	984	240	14	0	1975		9.2	357	606	390	622
TOT PCT	37.3	49.8	12.2	.7	.0		100.0		100.0	100.0	100.0	100.0

SEPTEMBER

PERIOD: (PRIMARY) 1895-1973 (OVER-ALL) 1854-1973

TABLE 4

AREA 0002 MADEIRA ISLANDS 32.5N 16.6W

PERCENTAGE	FREQUENCY	QF	WIND	SPEED	BY	HUUR	(GMT)

HOUR	CALM	1-3	4-10	WIND 11-21	SPEED 0	KNOTS) 34-47	48+	MEAN	PCT	TOTAL
60300	5.3	9.5	52.7	29.7	2.5	.3	.0		100.0	357
90300	5.9	11.7	53.6	25.2	3.5	.0	.0		100.0	606
12615	2.3	10.5	49.7	34.1	3.3	.0	.0		100.0	390
18621	4.8	8.8	50.0	33.1	3.1	.2	.0		100.0	622
TOT	94	201	1018	598	62	2	0	9.2		1975
PCT	4.8	10.2	51.5	30.3	3.1	.1	.0		100.0	

TABLE 5

P	CT FRE			D DIREC		EIGHTHS)							CEILIN NH <5/					
WND DIR	0-2	3-4	5-7	8 & 085CD	TOTAL	MEAN CLOUD COVER	000 149	150 299	300 599	600	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL
N	11.2	6.2	9.9	1.6		3.8	.0	.0	.2	.2	1.4	5.1	1.0	.2	.2	.0	20.5	
NE	9.9	9.4	11.0	1.8		4.0	.2	.0	.1	1.5	2.7	1.9	1.8	. 8	.3	.2	22.6	
E	2.3	2.4	2.1	.9		3.8	.0	.0	.0	.4	.7	.9	.0	. 2	.0	.0	5.5	
SE	.3	.3	.6	.0		3.8	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	1.1	
S	.9	.1	.9	.2		4.2	.0	.0	.2	.0	.2	.2	.2	.0	.0	.0	1.2	
SW	1.8	.7	2.3	.9		4.4	.0	.0	.4	.8	.3	.6	.2	.2	.0	.0	3.1	
	3.0	1.6	3.4	.9		4.1	.0	.0	.4	.9	1.1	.9	.0	.2	.0	.0	5.3	
NW	4.9	1.5	3.3	.4		3.3	.0	.0	.1	.1	1.1	1.0	.5	.2	.0	.0	7.0	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	1.7	.5	1.0			3.5	.0	.0	.0	.0	.5	.5	.2	.0	.0	.0	2.2	
TOT DBS	148	93	141	28	410	3.8	1	0	5	16	33	46	17	8	2	1	281	410
TOT PCT	36.1	22.7	34.4	6.8	100.0	-	.2	.0	1.2	3.9	8.0	11.2	4.1	2.0	.5	.2	68.5	100.0

TABLE 7

CUMULATIVE PCT FREQ	OF SIMULTANEOUS	UCCURRENCE
OF CEILING HEIGHT	(NH >4/8) AND V	SBY (NM)

					VSBY (NH)			
	CEILING	= DR	- DR	- OR	. DR	# DR	· DR	· OR	- DR
	(FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
	OR >6500	.7	.7	.7	.7	.7	.7	.7	.7
. (JR >5000	2.4	2.6	2.6	2.6	2.6	2.6	2.6	2.6
. (JR >3500	6.5	6.9	6.9	6.9	6.9	6.9	6.9	6.9
. (IR >2000	15.3	17.0	18.2	18.2	18.2	18.2	18.2	18.2
. (R >1000	22.0	24.9	26.1	26.1	26.1	26.1	26.1	26.1
. 1	JR >600	25.1	28.5	29.7	29.7	29.7	29.7	29.7	29.7
	OR >300	26.1	29.7	30.9	30.9	30.9	30.9	30.9	30.9
	JR >150	26.3	29.9	31.1	31.1	31.1	31.1	31.1	31.1
. (JR > 0	26.3	29.9	31.1	31.1	31.1	31.3	31.3	31.3
	TOTAL	110	125	130	130	130	131	131	131

TOTAL NUMBER OF OBS: 418 PCT FREQ NM <5/8: 68.7

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 0BSCD 0BS 6.6 16.4 22.8 12.3 10.7 8.7 10.0 7.5 5.0 .0 439

	D	•	4	0	n

								ZEN	FWREK							
PERIOD:	(PRIMARY) 1 (OVER-ALL) 1	895-1973 854-1973						TA	9LE 8				ARE		MADE I	RA ISLANDS 16.6W
			,	ERCENT	PREC	F WIN	DIRE	TH VAR	VS DCC	URRENC	E DR N	IBILIT	URRENC	E OF		
	VSBY		N	NE	f	SE	5	SW		NW	VAR	CALM	PCT	TOTAL		
	<1/2	PCP NO PCP	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0			
		TOT &		.2				.0	.0	.0		.0	.2			
	1/2<1	PCP NO PCP TOT %	:4	.6	.2	.0	.0	.0	.2	.0	.0	.0	1.5			
	1<2	PCP NO PCP TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			
	2<5	PCP NO PCP TOT \$.0	.0	.1	.0	.0 .2 .2	.2	.1	.0	.0	.2	.6 .8 1.4			
	5<10	PCP NO PCP TOT %	6.9 7.3	9.4 10.0	1.1 1.1	.5	.0 .7 .7	3.4 4.1	4.0 4.7	.5 2.8 3.3	.0	.0 1.4 1.4	2.9 30.1 33.0			
	10+	PCP NO PCP TOT \$	16.6 17.1	20.7	5.4 5.4	.2	1.2	4.0	5.5 5.8	6.5	.0	1.8	1.4 62.6 64.0			

TOT OBS TOT PCT 25.3 31.8 6.8 1.4 2.1 8.4 10.7 10.2 .0 3.3 100.0

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

					# 7 1 LL A	AK I I NO	MEGE	3 01 1	131011	• • •			
VSBY	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	- 1
<1/2	4-10	.0	.0	.1	.0	.0	.0	.0	.0	.0		.1	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.1	.0	.0	.0	.0	.0	.0	.0		.1	
	TOT %	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.2	
	0-3			.0	.0	.0	.0	.0	.0	.0	.0		
1/2<1	4-10	.1	.2	.1	.0	.0	.0	.1	.0	.0		.5	
	11-21		.1	.0	.0	.0	*		.1	.0		.4	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	• 2	.4	.1	.0	.0		.1	.1	.0	.0	1.0	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
1<2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	*	*	.0	.0		.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0			.0	.0	.0	.1	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1		
2<5	4-10	.4	.1	.0	.0	.1	.1	.0	.0	.0		.6	
	11-21	.1		.1	.0	.0	*	*	.0	.0		.3	
	22+	.0	.0	.0	.0	.0	.1	.0	.0	.0		.1	
	TOT %	.4	•1	.1	.0	.1	.2	*	.0	.0	.1	1.1	
	0-3	.2	.3	.1	.1	.1	.0	.1	.1	.0	.9		
5<10	4-10	2.8	3.0	.4	2	.1	1.4	1.4	1.2	.0		10.4	
	11-21	1.8	3.3	.3	.0	.2	1.3	1.4	.6	.0		8.8	
	22+	.1			.0	.0		.1	.2	.0		.5	
	TOT %	4.8	6.7	.8	.4	.4	2.7	3.0	2.1	.0	.9	21.8	
	0-3	1.8	2.1	1.2	.4	.2	.9	1.1	1.0	.0	2.5		
10+	4-10	10.5	13.8	3.3	1.1	.7	2.9	4.1	4.9	.0		41.3	
	11-21	5.0	10.5	1.5	.2	.4	1.4	1.4	1.6	.0		22.0	
	22+	.4	.5	.1	.0	.1	.1	.0	.0	.0		1.2	
	TOT %	17.8	26.8	6.1	1.8	1.4	5.4	6.6	7.5	.0	2.5	75.9	
1	TOT OBS												1121
1	OT PCT	23.3	34.1	7.2	2.1	1.9	8.4	9.9	9.7	.0	3.5	100.0	

SEPTEMBER

PERIOD: (PRIMARY) 1895-1973 (OVER-ALL) 1854-1973

TABLE 10

AREA 0002 MADEIRA ISLANDS 32.5N 16.6M

PERCENT	FREQUENCY	OF	CE	ILI	NG	HF I GHT	rs	FEET, NH	>4/81	ANI

					-	-							
HGUR (GMT)	000	150 299	300 599	999	1000	2000 3499	3500 4999	5000	6500	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL
00603	.0	.0	2.2	6.7	4.4	15.6	2.2	2.2	1.1	.0	34.4	65.6	90
90360	.0	.0	1.2	2.3	7.0	16.3	4.7	1.2	.0	.0	32.6	67.4	86
12615	.8	.8	1.6	3.1	7.8	7.0	5.5	3.9	.0	.8	31.3	68.8	128
18621	.0	.0	.0	3.1	10.0	7.7	3.8	.0	.8	.0	25.4	74.6	130
TOT	.2	.2	1.2	3.7	33 7.6	10.8	18	1.8	.5	.2	132	302	434

TABLE 11

		PERCENT	FREQUEN	CY VSB	(NM)	BY HOUR		CUMULAT					VSBY (NM)	
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL DBS
00603	.0	.4	.0	2.2	20.1	77.3	229	00003	.0	2.3	12.6	24.1	63.2	87
06609	.0	1.2	.0	1.2	28.3	69.3	329	90360	.0	1.3	5.1	30.4	64.6	79
12615	.8	1.2	.0	.0	19.4	78.7	253	12815	.8	3.2	6.4	25.4	68.0	125
18621	.0	.9	.3	.9	20.9	77.0	344	18821	.0	.0	4.7	21.3	74.0	127
TOT	.2	11	.1	12	260	869 75.2	1155	TOT PCT	.2	1.7	6.9	104	285	418

TABLE 13 PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

TEMP F	0-29	30-39	40-49	50-59			80-89	90-100	TOTAL	PCT
80/84	.0	.0	.0	.3	.8	.3	.3	.0		1.5
75/79	.0		.0	2.1	3.6		4.4	1.0	76	19.6
70/74	.0	.0	.0	1.3	13.7	25.3	24.2	9.5	287	74.0
65/69	.0	.0	.0	.0	.5	1.3	2.3	.8	19	4.9
TOTAL	0	0	0	14	72	137	121	44	388	100.0
PCT	.0	.0	.0	3.6	18.6	35.3	31.2	11.3		

.0 .0 .3 .0 .6 1.5 1.4 1.9 1.9 4.5 6.3 5.6 .0 .0 .5 .1 2.9 .0 5.0 1.5 .0 .0 .0 26.3 35.3 8.1 1.5 2.4 6.0 8.3 7.7

TABLE 15

TABLE 16

	MEANS,	EXTREME	S AND	PERCEN	TILES	OF TEM	P (DE	GF) B	Y HOUR
HOUR (GMT)	MAX	99%	95%	50%	5%	14	MIN	MEAN	TOTAL
00603	79	75	74	72	68	64	61	71.4	354
90300	84	79	76	72	68	66	63	71.7	600
12615	84	83	80	74	70	68	65	74.5	382
18621	84	82	78	73	70	68	62	73.5	605
TOT	84	81	78	72	69	06	61	72.8	1941

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY FUND 0-29 30-59 60-69 70-79 80-89 90-100 MEAN TOTAL 085 3 .0 .0 12.0 28.9 38.6 20.5 81 83 9 .0 3.1 13.4 34.0 38.1 11.3 79 97 5 .0 8.3 27.5 33.3 25.8 5.0 74 120 .9 17.8 42.1 27.1 12.1 78 107 129 47 78 407

PERIOD: (PRIMARY) 1895-1973 (OVER-ALL) 1854-1973

TABLE 17

AREA 0002 MADEIRA ISLANDS 32.5N 16.6W

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

				-		-			
AIR-SEA	61	65	69	73	77	81	TOT		WO
THP DIF	64	68	72	73	80	84		FOG	FUG
9/10	.0	.0	.0	-0	. 2	,	,	.0	.3
7/8	.0	.0	.0	.0	.3	.2	2	.0	.6
	.0	.0	.0	.5	.2	.2	•	.0	.8
5	.0	.0	.0	.3	1.4	.0	11	.2	1.6
-	.0	.0	.0	1.1	1.6	.0	17	.2	2.6
3	.0	.0	.2	2.6	1.3	.0	25	.0	4.0
2	.0	.0	.6	3.9	1.1	.0	35	.2	5.5
1	.0	.0	3.1	9.0	.3	.0	77	.2	12.2
0	•0	.0	8.0	12.9	.6	.0	134	.6	20.9
-1	.0	.2	10.1	6.4	.0	.0	104	.3	16.4
-2	.0	.6		4.0	.0	.0	98	.5	15.3
-3	.0	.5	7.1	1.4	.0	.0	56	.0	9.0
-4	.0	.2	3.2	1.0	.0	.0	27	.0	4.3
-5	.0	.5	1.3	.2	.0	.0	12	.0	1.9
-6	.0	.3	.8	.0	.0	.0	7	.0	1.1
-7/-8	.0	.0	.5	.2	.0	.0	4	.0	.6
-9/-10	.5	.0	.0	.0	.0	.0	3	.0	.5
-11/-13	.0	.0	.2	.0	.0	.0	1	.0	.2
TOTAL	3		287		44			13	609
	- 100	14		271		.5	622		100000000000000000000000000000000000000
PCT	5	2.3	46.1	43.6	7.1	.5	100.0	2.1	97.9

PERIOD: (OVER-ALL) 1963-1973

				PC	T FREO	OF WIND	SPEED	(KTS)	AND DIREC	CTION V	ERSUS S	EA HEIG	HTS (FT)		
HGT	1-3	4-10	11-21	N 22-33	34-47	48+	PCT		1-3	4-10	11-21	NE 22-33	34-47	48+	PCT
<1	.7	3.6	.0	.0	.0	.0	4.3		.9	.7	.0	.0	.0	.0	1.7
1-2	.6	10.9	2.7	.0	.0	.0	14.2		.5	7.2	3.5	.0	.0		11.2
3-4	.0	4.6	6.3	.0	.0	.0	11.0		.0	2.1	7.2	.0	.0	.0	9.3
5-6	.0	.8	.9	.3	.0	.0	2.1		.0	.8	5.4	.1	.0	.0	6.3
7	.0	.0	.7	.0	0	.0	.7		.0	.0	.9	.0	.0	.0	.9
8-9	.0	.0	.0	.0	.0	.0	.0		.0	.0	1.3	.0	.0	.0	1.3
10-11	.0	.0	.0	.3	.0	.0	.3		.0	.0	.0	.5	.0	.0	.5
12	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	•0	.0	.0		.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.4	19.9	10.8	.6	.0	.0	32.7		1.5	10.9	18.2	.6	.0	.0	31.2
HGT	1-3	4-10	11-21	E 22-33	34-47				1-3	4-10		SE 22-33			
<1	.6					48+	PCT				11-21		34-47	48+	PCT
1-2	.4	2.3	.7	.0	.0	.0	1.3		.2	•0	.0	.0	.0	.0	.2
3-4	.0					.0				.4				.0	
5-6	.0	.8	1.2	.0	.0	.0	2.0		.4	.0	.0	.0	.0	.0	.4
7	.0	.0	.0	.0	.0	.0	1.2		.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	:0	.0	.0	.0		.0	0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	:0		.0	.0	.0	.0	.0	:0	.0
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	:0		.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.1	3.8	3.1	.0	.0	.0	7.9		.6	.4	.1	.0	.0	.0	1.2
					••	••								••	

	- ave								SEPTI	EMBER							
PERIOD:	(DAF)	K-ALL)	1903-1	473				TABLE	16	CONT				AREA			ISLANDS
				PC	T FREO	-	SPEED	(KTS)	AND	DIREC	TION	VERSUS S	EA HEIG	HTS (FT)		
				s									SH				
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT			1-3	4-10		22-33	34-47	48+	PCT	
<1	.3	.4	.0	.0	.0	.0	.7			.2	.0		.0	.0	.0	.2	
1-2	.0	.0	.0	.0	.0	.0	.0			.0	.9		.0	.0	.0	1.8	
3-4	.0	.0	.3	.0	.0	.0	.3			.0	1.7		.0	.0	.0	2.7	
5-6	.0	.0	.0	.0	.0		.0			.0	.0		.0	.0	.0	. 8	
7	.0	.0	.0	.0	.0	.0	.0			.0	.0	.1	.0	.0	.0	.1	
8-9	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	0	.0	
10-11	.0	.0	.0	.3	.0	.0	.3			.0	.0	.0	.1	.0	.0	.1	
12	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.4	.0	.0	.4	
13-16	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.3	.4	.3	.3	.0	.0	1.4			.2	2.0	2.8	.5	.0	.0	6.2	
													NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT			1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.3	.4	.0	.0	.0	.0	.7			.0	2.2		.0	.0	.0	2.2	
1-2	.0	2.8	.0	.0	.0	.0	2.8			.1	1.6		.0	.0	.0	2.2	
3-4	.0	1.2	1.1	.0	.0	.0	2.2			.0	2.2		.0	.0	.0	3.3	
5-6	.0	.0	.4	.0	.0	.0	.4			.0	.4	.9	.0	.0	.0	1.4	
7 .	.0	.0	.3	.0	.0	.0	.3			.0	.0		.0	.0	.0	.0	
8-9 4	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.3	4.4	1.8	.0	.0	.0	6,5			.1	6.4	2.5	.0	.0	.0	9.1	96.2
										••	•••						

7 3

	MIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	7.5	8.7	.0	.0	.0	.0	16.2	
1-2	2.1	25.7	8.3	.0	.0	.0	36.1	
3-4	.4	12.4	17.8	.0	.0	.0	30.7	
5-6	.0	2.1	9.5	.4	.0	.0	12.0	
7	•0	.0	2.1	.0	.0	.0	2.1	
8-9	•0	.0	1.2	.0	.0	.0	1.2	
10-11	•0	.0	.0	1.2	.0	.0	1.2	
12	•0	.0	.0	.4	.0	.0	.4	
13-16	•0	.0	.0	.0	.0	.0	.0	
17-19	•0	.0	.0	.0	.0	.0	.0	
20-22	•0	.0	.0	.0	.0	.0	.0	
23-25	•0	.0	.0	.0	.0	.0	.0	
26-32	•0	.0	.0	.0	.0	.0	.0	
33-40	•0	.0	.0	.0	.0	.0	.0	
41-48	•0	.0	.0	.0	.0	.0	.0	
49-60	•0	.0	.0	.0	.0	.0	.0	
61-70	•0	.0	.0	.0	.0	.0		
71-86	•0	.0	.0	.0	.0	.0	.0	
87+	•0	.0	.0	.0	.0	.0	.0	241
TOT PCT	10.0	49.0	39.0	2.1	.0	.0	100.0	241

PERIO): (OV	ER-ALL	1 194	9-1973					TABLE	19											
					PERCENT	FRE	PUENCY	OF W	AVE HEI	GHT (F	T) VS	WAVE P	ERIOD	SECON	15)						
PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	1;	2 13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN
6-7	3.4	9.4	20.2	6.3	2.3	6	.0				.0	.0	.0	.0	.0	.0	.0	.0	.0	148	3
	.0	1.7	8.2	7.7	5.1	1.1	.6	•	3 .3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	88	,
8-9	.0	.3	2.0	3.7	4.0	.6	.3		9 .0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	41	
10-11	.0	.6	1.4	.6	2.6	.3	.0		0 .0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	19	5
12-13	.0	.0	.9	.0	1.1	.3	.0				.0		.0	.0	.0	.0	.0	.0	.0	8	6
>13	.0	.0	.0	.6	.0	.0	.0	•		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	
INDET	2.0	3.7	3.7	1.4	.9	.9	.3			.0	.0		.0	.0	.0	.0	.0	.0	.0	45	3
TOTAL	19	55	128	71	56	13	4		4 2	0	0	0	0	0	0	0	0	0	0	352	4
PCT	5.4	15.6	36.4	20.2	15.9	3.7	1.1	1.	6	-0	.0	-0	-0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1903-1973 (OVER-ALL) 1854-1973

TABLE 1

AREA 0002 MADEIRA ISLANDS 32.6N 16.0W

PERCENT	FREQUENCY	DE	WEATHER	OCCURRENCE	BY	MIND	DIRECTION

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN	DRZL	FRZG	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT	PCPN PAST HOUR	THOR	FDG WO PCPN	FUG WO PCPN PAST HR	SMOKE		NO SIG WEA
N NE	2.4	3.3	.9	.0	.0	.0	.0	6.6	4.6	.0	:0	.0	:0	.0	88.8
	1.3	5.6		.0	.0	•0	.0	4.2	1.4	1.7	.8			.0	82.6
E .	2.1	8.5	3.5	.0	.0	.0	.0	13.1	2.9	7.0	1.2	.0	1.3		84.3
SE	1.7	6		.0	.0	.0	.0	5.8							
2	1.6	6.1	1.6	.0	.0	•0	.0	9.3	4.5	2.4	.0	.0	.0		83.8
SW	1.7	5.0	.0	.0	.0	.0	.0	7.3	2.8	3.4	1.7	.0	.0	.0	85.4
W	2.2	.7	.0	.0	.0	.0	.0	2.9	8.3	2.2	.7	.0	.0		86.7
NW	.0	4.8	.0	.0	.0	.0	.0	4.8	5.8	.0	1.4	.0	1.4	.0	86.7
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.7	.0	96.3
TOT PCT	1.6	3.7	. 8	.0	.0	.0	.0	6.1	3.6	1.3	.7	.0	.4	.0	88.3

TABLE ?

PERCENT	FREQUENCY	DF	WEATHER	DECURRENCE	BY	HOUR

			P	RECIPI	TATIO	TYPE					OTHER	WEATHER	PHEND	TENA		
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HATL	PCPN AT	PCPN PAST HOUR	THOR	FOG WU PCPN	FOG WO PCPN PAST HR	SMOKE	SPE BLWG BLWG	DUST	NO SIG WEA
00603 06609 12615 18621	2.5 2.3 2.4	3.6 3.2 3.8 5.7	.0 .9 .5	.0	.0	.0	.0	6.3 6.9 6.7 7.8	6.3 3.7 1.4 3.9	1.9 2.3 1.0 1.3	1.3 .9 .0 1.3	.0	.6 .5 1.0		.0	84.8 86.6 90.4 85.7
TOT PCT	2.0	4.2	.7	.0	.0	•0	.1	7.0	3.7	1.6	.9	.0	.5		.0	87.0

TABLE 2

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND SPEED (KNDTS)													HOUR	(GMT)			
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	FREQ	SPD	00	03	06	09	12	15	18	21
N NE	1.2	8.1	8.2	1.2	.2	.0		18.8	11.9	17.9	10.0		15.9	17.7	12.5	17.9	21.0
E	.8	5.1	3.3	.3	.0	.0		9.4	9.9	10.7	.0		8.9	9.2	.0	10.9	
SE	.9	2.9	1.2	.4		.0		5.5	9.9	4.9	.0	4.2	6.5	6.8	8.3	5.4	5.4
S	.9	3.1	2.0	.5		.0		6.5	10.5	7.2	15.0	5.9	5.6	6.9	8.3	5.9	
SW	1.0	5.8	3.2	.6	.1	.0		10.7	10.4	10.1	20.0	10.5	10.9	9.2	16.7	11.8	11.8
W	.7	3.6	3.3	.8	.2	.0		8.5	12.5	8.9	5.0	7.1	8.8	9.2	25.0	8.9	7.8
NW	.9	5.8	3.2	1.2	.3	.0		11.4	11.7	12.2	10.0	12.2	10.6	11.1	10.4	10.6	11.3
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	3.9							3.9	.0	4.6	20.0	5.9	4.8	2.1	.0	1.7	4.4
TOT DBS	263	1004	786	151	20	0	2224		10.9	394	10	427	248	429	12	409	295
TOT PCT	11.8	45.1	35.3	6.8	.9	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WND DIR	0-6	WIND 7-16	SPEED 17-27	(KNDTS) 28-40	41+	TOTAL	PCT	MEAN SPD	00	HDUR 06 09	12 15	18 21	
N NE	5.5	10.6	3.3	.8	.0		18.8	11.9	17.7	19.9	17.5	19.2	
E SE	2.9	5.2	1.2	.1	.0		9.4	9.9	10.4	9.1	9.0		
SE	2.0	2.5	1.0	.1	.0		5.5	9.9	7.4	5.0	6.9	6.3	
Sw	3.3	5.7	1.5	.2			10.7	10.4	10.3	10.6	9.4	11.8	
W	3.4	5.3	2.1	.6	.0		8.5	12.5	12.2	7.7	11.1	10.9	
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	
TOT DBS	656	1108	391	67	2	2224	3.9	10.9	5.0	675	2.0	704	
TOT DET	20 .	40 0	17 4	2 0			100 0		100 0	100 0	100 0	100.0	

DCTOBER

PERIOD: (PRIMARY) 1903-1973 (OVER-ALL) 1854-1973

TABLE 4

AREA 0002 MADEIRA ISLANDS 32.6N 16.6W

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

				WIND	SPEED (KNOTS)			PCT	TOTAL
HOUR	CALM	1-3	4-10	11-21	22-33	34-47	48+	MEAN	FREQ	OBS
60300	5.0	6.4	45.3	36.1	6.2	1.0	.0	10.9	100.0	404
90300	5.5	8.4	43.9	34.8	6.5	.9	.0	10.7	100.0	675
12615	2.0	7.9	43.8	37.9	7.7	.7	.0	11.2	100.0	441
18621	2.8	8.4	47.2	33.8	6.8	1.0	.0	10.8	100.0	704
TOT	80	177	1004	786	151	20	0	10.9		2224
PCT	3.9	8.0	45.1	35.3	6.8	.9	.0		100.0	

TABLE

....

	TABLE 7										1.6	DEC 0							
,	CT FRE			LOUD A	TION	(EIGHTHS)						REQUEN							
WND DIR	0-2	3-4	5-7	8 E	TOTAL	CLOUD		000	150 299	300 599	600	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL
N	4.5	7.4	7.0	2.5		4.4		.2	.0	.0	.5	2.0	1.9	1.1	.7	.0	.0	14.9	
NE	6.5	7.5	8.1	1.8		4.1		.0	.0	.2	.6	2.9	1.8	1.7	.2	.2	.0	16.3	
E	1.9	1.4	1.8	1.2		4.4		.0	.2	.0	.0	.4	1.2	.1	.1	.0	.0	4.2	
SE	1.3	1.8	. 8	1.5		4.6		.0	.0	.0	.2	.4	.4		. 2	.2	.2	3.7	
S	2.6	1.0	2.6	2.8		4.9		.0	.0	.4	. 8	.7	1.0	.4	.2	.2	.1	5.2	
SW	2.8	3.6	1.8	1.6		4.1		.0	.0	.2	.0	.7	.4	.4	.0	.0		8.0	
	2.3	1.6	4.5	.7		4.7		.0	.2	. 2	.7	1.8	. 8	.1	.0	.0	.0	5.3	
NW	2.7	3.6	3.5	1.1		3.9		.0	.0	.0	.7	1.1	.9	.2	.0	.0	.0	7.9	
VAR	.0	.0	.0	.0		.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	2.3	1.2	.8	.2		2.6		.0	.0	.0	.0	.2	.4	.0	.0	.0	.0	3.9	
TOT DBS	138	149	158	69	514	4.3		1	2	5	18	53	45	21	7	3	2	357	514
TOT PCT	26.8	29.0	30.7	13.4	100.0			.2	.4	1.0	3.5	10.3	8.8	4.1	1.4	.6	.4	69.5	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NH)

					VSBY (NE	1)			
C	EILING	- OR	• DR	- OR	- DR	- DR	. OR	- OR	- DR
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
OR	>6500	.7	1.1	1.1	1.1	1.1	1.1	1.1	1.1
DR	>5000	1.9	2.6	2.6	2.6	2.6	2.6	2.6	2.6
DR	>3500	5.6	6.9	6.9	6.9	6.9	6.9	6.9	6.9
OR	>2000	12.5	15.9	16.1	16.1	16.1	16.1	16.1	16.1
OR	>1000	20.6	26.0	26.4	26.4	26.4	26.4	26.4	26.4
OR	>600	22.7	29.4	29.8	30.0	30.0	30.0	30.0	30.0
OR	>300	23.2	30.0	30.9	31.1	31.1	31.1	31.1	31.1
OR	>150	23.2	30.3	31.3	31.5	31.5	31.5	31.5	31.5
DR	> 0	23.4	30.5	31.5	31.6	31.6	31.6	31.6	31.6
	TOTAL	125	163	168	169	169	169	169	169

TOTAL NUMBER OF OBS: 534

PCT FREQ NH <5/8: 68.4

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 0BSC0 0BS 7-1 13-5 18.7 16.8 11.8 7.3 6.7 7.1 11.1 .0 578 OCTUBER

PERIOD: (PRIMARY) 1903-1973 (DVER-ALL) 1854-1973

TABLE 8

AREA 0002 MADEIRA ISLANDS 32.6N 16.6W

		,	ERCENT	PREC	IPITAT	D DIRE	TH VAR	YING V	ALUES I	E DR N	IBILI	URRENC	E OF
YSBY (MM)		N	NE	•	SE	5	SW		NW	VAR	CALM	PCT	TOTAL
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
(1/2	NO PCP	.0	.0	.1	.1	.0	.0	.1	.0	.0	.0	.3	
	TOT &	.0	.0	.1	.1	.0	.0	.1	.0	.0	.0	.3	
	PCP	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	
1/2<1		.0	.0	.0	.0	.0	.2	.1	.1	.0	.0	.:	
	TOT &	.1	.1	.0	.0	.0	.2	:1	.1	.0	.0	:5	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	NO PCP	.0	.0	.0	.0	.1	.3	.0	.1	.0	.0	.5	
	TOT &	.0	.0	.0	.0	.1	.3	.0	.1	.0	.0	.5	
	PCP	.0	.0	. 0	.0	.3	.3	.0	.0	.0	.0	.5	
2<5	NO PCP	.1	.0	:0	.1	.1	.1"	:2	.0	.0	.0	.5	
	TOT &	.1	.0	.0	.1	.3	.3	.2	.0	.0	.0	1.1	
	PCP	1.0	.7	.9	.2	.4	.5	.2	.3	.0	.0	4.1	
5<10	NO PCP	5.3	6.1	2.6	1.2	2.1	3.7	2.4	2.0	.0	.3	25.6	
	TOT &	6.3	6.8	3.5	1.4	2.5	4.1	2.6	2.3	.0	.3	29.7	
	PCP	.3	.2	.1	.1	.1	.1	.1	.2	.0	.0	1.3	
10+	NO PCP	13.9	16.4	4:1	4.0	5.1	6.6	6.1	6.9	.0	3.3	66.6	
	TOT %	14.2	16.6	4.3	4.2	5.3	6.8	6.2	7.1	.0	3.3	67.9	
	TOT 085												75
	TOT PCT	20.7	23.5	7.8	5.7	8.2	11.8	9.2	9.6	.0	3.6	100.0	

TABLE 9

PERCENT FRED OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

						W. 1 140	· · ALUE	3 Ur .	121015					
VSBY (NM)	SPD KTS	N	NE	E	SE	s	SW		NW	VAR	CALM	PCT	TOTAL	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
<1/2	4-10	.0	.0			.0	.0	.0	.0	.0		.1		
	11-21	.0	.0	.0	.0	.0	.0	.1	.0	.0		.1		
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0		
	TOT %	.0	.0			.0	.0	.1	.0	.0	.0	.2		
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
1/2<1	4-10			.0	.0	.0	.0	.0	.0	.0		.1		
	11-21	.0	.0	.0	.0	.0	.1		.1	.0		.2		
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0		
	TOT %		•	.0	.0	.0	.1	•	.1	.0	.0	.3		
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
1<2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0		
	11-21	.0	.0	.0	.0	.1	.0	.0	.1	.0		.2		
	22+	.0	.0	.0	.0		.4	.1	.0	.0		.5		
	TOT %	.0	.0	.0	.0	.1	.4	.1	.1	.0	.0	.6		
	0-3	.0	.0			.0	.0	.0	.0	.0	.0			
2<5	4-10	.0	.0	.0	.0	. 1	.2	.2	.0	.0		.4		
	11-21	.1		.0		. 8	.2	.1	.0	.0		. 8		
	22+			.0	.0	.0	.1	.1	.0	.0		.2		
	TOT \$.2	.1		.1	.4	.4	.4	.0	.0	.0	1.5		
	0-3	.3	.2	.2	.1	.2	.1	.1	.4	.0	.3	2.0		
5<10	4-10	1.7	2.1	.9	.3	.5	1.5	1.0	1.0	.0		9.0		
	11-21	2.0	2.5	1.3	.4	1.1	1.2	.4	.4	.0		9.3		
	22+	4.3	.6		.3	.5	.3	.3	.3	.0		2.7		
	TOT \$	4.3	5.5	2.4	1.2	2.3	3.1	1.8	2.1	.0	.3	23.0		
	0-3	1.0	1.4	.3	.6	.5	.8	.7	.7	.0	3.6			
10+	4-10	7.1	8.4	3.9	2.3	2.4	3.5	3.0	4.1	.0		34.8		
	11-21	7.2	9.4	2.0	.7	1.6	2.0	2.2	2.1	.0		27.1		
	22+	.6	.9	.1	.3	.2	.1	.3	.5	.0		3.0		
	TOT \$	15.9	20.0	6.4	3.9	4.7	6.4	6.2	7.3	.0	3.6	74.4		
	OT 085					-							1260	
1	OT PCT	20.4	25.7		. 2	7 . 5	10 4		0.4	. 0	2.0	100.0		

OCTOBER

PERIOD:	(PRIMARY)	1903-1973
	(OVER-ALL)	1854-1973

TABLE 10

AREA 0002 MADEIRA ISLANDS 32.6N 16.6W

0 0

		-	-					- NAME
PERCENT	FREQUENCY	OF	CE	LING	HEIGHT	S (FEET, NH	>4/8)	AND
	OCCINE	DEL	ICE	OF N	U /E/A	AV HOUSE		

					uc	CORRE	CE UF	NH (3/	0 81 1	UUK			
HOUR (GMT)	000	150 299	300 599	600	1000	2000 3499	3500 4999	5000 6499	6500	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL
00603	.0	.0	.0	2.6	8.5	15.4	4.3	.9	.0	.9	32.5	67.5	117
90300	.0	.0	.0	4.1	12.2	9.8	2.4	1.6	.8	.0	30.9	69.1	123
12615	.6	1.3	1.9	3.1	9.4	4.4	5.0	2.5	.0	.6	28.8	71.3	160
18621	.0	.0	1.8	3.7	9.2	8.6	4.3	.6	1.2	.6	30.1	69.9	163
PCT	.2	.4	1.1	3.4	9.8	9.1	4.1	8	.5	.5	171 30.4	392 69.6	563 100.0

TABLE 11

TABLE 12

		PERCENT	FREQUEN	CY VSBY	(NM)	BY HOUR		CUMULAT	THE PCT	FREQ IG HGT	OF RAN	IGES OF NH >4/8	VSBY (NM)	AND/OR
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00603	.4	.4	.4	1.6	22.9	74.4	258	00603	.0	.0	3.7	30.8	65.4	107
06609	.0	.6	.8	1.1	27.5	70.0	360	90300	.0	•0	5.2	27.0	67.8	115
12615	.0	.0	1.0	1.4	21.0	76.6	295	12615	.6	3.9	7.1	22.7	70.1	154
18621	.3	.3	.3	2.0	21.5	75.8	400	18621	.0	1.9	5.7	25.3	69.0	158
TOT	.2	.3	.6	20	306	973	1313	TOT PCT	.2	1.7	30 5.6	139	365 68.4	534

TABLE 13

	PERC	ENT FR	EQUENC	Y UF R	ELATIV	HUM1	DITY B	Y TEMP		
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	DBS	FREQ
75/79	.0	.0	.0	.2	3.2	3.4	2.3	.6	51	9.7
70/74	.0	.0	.0	1.7	12.1	19.2	20.1	13.9	353	67.0
65/69	.0	.0	.0	.9	3.4	5.1	8.2	4.2	115	21.8
60/64	.0	.0	.0	.0	.0	.0	.6	.8	7	1.3
55/59	.0	.0	.0	.0	.0	.0	. 2	.0	1	.2
TOTAL	0	0	0	15	99	146	165	102	527	100.0
PCT	.0	.0	.0	2.8	18.8	27.7	31.3	19.4		

TABLE 14

	PERCE	NT FR	EQUENCY	OF N	IND DI	RECTIO	N BY T	EMP	
N	NE	Ε	SE	S	SW	w	NW	VAR	CALM
1.5	2.4	5.5	1.0	5.7	1.6	6.5	5.3	.0	3.8
6.9	4.7	1.5	.5	1.5	1.1	2.3	2.4	.0	.9
.5	.5	.0	.0	.2	.0	.2	.0	.0	.0
.0	.0	.0	.0	.0	.0	. 2	.0	.0	.0
22.1	22.2	7.9	5.6	7.7	10.8	10.1	8.6	-0	4.9

TABLE 15

 HEANS, EXTREMES
 AND
 PERCENTILES
 OF
 TEMP
 (DEG F)
 BY
 HOUR

 HOUR
 MAX
 99%
 95%
 50%
 5%
 1%
 MIN
 MEAN
 TOTAL

 006103
 77
 75
 73
 70
 66
 64
 61
 69-7
 414

 06409
 77
 74
 73
 70
 65
 63
 58
 69-5
 678

 12615
 80
 79
 77
 72
 67
 65
 64
 72-2
 438

 18621
 80
 79
 76
 71
 66
 62
 59
 71-0
 704

 101
 80
 78
 75
 71
 66
 64
 58
 70-6
 2234

	PERC	ENT FRE	QUENCY	OF RELA	TIVE H	UMIDITY	BY HOUR	
HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
60300	.0	3.5	10.4	22.6	38.3	25.2	81	115
90300	.0	2.7	12.9	24.5	32.7	27.2	81	147
12615	.0	4.2	24.2	34.5	24.8	12.1	76	165
18621	.0	2.9	23.4	27.7	30.7	15.3	78	137
TOT	0	19	103	157	175	110	79	564

PERIOD: (PRIMARY) 1903-1973 (UVER-ALL) 1854-1973

TABLE 17

AREA 0002 MADEIRA ISLANDS 32.6N 16.6W

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA	57	61	65	69	73	77	TOT	W	WD
THP DIF	60	64	68	72	76	80		FOG	FOG
9/10	•0	.0	.0	.0	.0	.1	1	.0	.1
7/8	.0	.0	.0	.0	.1	.4	4	.0	.5
	.0	.0	.0	.0	.3	.4	5	.0	.7
5	.0	.0	.0	.1	. 8	.4	10	.0	1.4
4	.0	.0	.0	.4	.8	.0	9	.0	1.2
3	.0	.0	.0	.4	1.5	.5	18	.0	2.4
6 5 4 3 2	•0	.0	.0	1.6	3.4	.5	41	.1	5.4
1	.0	.0	.0	2.4	5.4	.0	58	.0	7.9
o	.0	.0	.3	11.7	5.6	.0	129	.1	17.4
-1	.0	.0	1.6	13.3	2.2	.0	126	.1	17.0
-2	.0	.0	2.7	11.7	1.6	.1	119	.4	15.7
-3	.0	.0	4.5	8.1	.5	.0	97	.1	13.0
-4	.0	.1	3.3	3.8	.4	.0	56	.0	7.6
-5	•0	.3	1.6	1.9	.1	.0	29	.0	3.9
-6	.0	.1	1.4	.5	.0	.0	15	.0	2.0
-7/-8	.0	.5	.8	.7	.0	.0	15	.0	2.0
-9/-10	.1	.1	.0	.0	.0	.0		.0	.3
-11/-13	.0	.0	.4	.0	.0	.0	2 3	.0	.4
TOTAL	1		122	1400	168			7	730
		9		418		19	737		
PCT	• 1	1.2	16.6		22.8	2.6	100.0	.9	99.1

PERIOD: (OVER-ALL) 1963-1973

TABLE 18

PCT FREQ OF WIND SPFED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT) HGT <1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60 61-70 71-86 TOT PCT 11-21 2.6 5.3 3.4 2.9 .0 .0 .0 .0 .0 .0 PCT 1.8 8.1 6.2 4.0 2.9 .5 .0 .0 .0 .0 .0 .0 11-21 .0 1.4 4.8 4.2 .8 .0 .0 .0 .0 .0 .0 .0 .0 .0 -47 48+ 48+ 48+ HGT <1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60 61-70 71-86 87-71 1-3 48+ PCT 3 1 9 1 1 6 6 6 7 1 6 6 6 7 1 6 6 6 7 1 6 6 7 1 6 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 6 7 1 1-3

PER100:	INVE	0-AII.	1963-1	072					DCTOBER				4054	0002	MADETRA	ISLANDS
PEKTUD.	TUVE	K-ALL!	1403-1	. 7/3				TABLE	18 CONT)			AREA			.6W
				PC	T FREO	OF WIND	SPEED	(KTS)	AND DIRE	CTION	VERSUS :	SEA HEIG	HTS (FT)		
HGT		4-10		5	24.47							22-33	34-47	48+	PCT	
<1	1-3	.0	11-21	22-33	34-47	48+	PCT		1-3	4-10		.0	.0	.0	.1	
1-2	.3	1.6	.7	.0	.0	.0	2.6		.3	1.9		.0	.0	.0	3.0	
3-4	.0	2.1	1.5	.0	.0	.0	3.6		.0	1.9		.0	.0	.0	4.3	
5-6	.0	.0	1.0	.0	.0	.0	1.0		.0	.3		.1	.0	.0	.8	
7	.0	.0	.7	.3	.3	.0	1.4		.0	.0		.0	.0	.0	.3	
8-9	.0	.0	.0	.3	.0	.0	.3		.0	.0		.3	.0	.0	.3	
10-11	.0	.0	.3	.0	.0	.0	.3		.0	.0		.0	.0	.0	.3	
12	.0	.0	.0	.3	.0	.0	.3		.0	.0		.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
TOT PCT	.6	3.7	4.2	1.0	.3	.0	9.9		.4	4.2		.4	.0	.0	9.2	
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	27-33	34-47	48+	PCT	TOTAL
<1	.6	.9	.3	.0	.0	.0	1.9		.1	.4		.0	.0	.0	.5	
1-2	.0	1.8	1.3	.0	.0	.0	3.1		.0	1.4		.0	.0	.0	1.4	
3-4	.0	1.2	1.3	.0	.0	.0	2.5		.3	2.5	2.8	.0	.0	.0	5.7	
5-6	.0	.0	.0	.6	.0	.0	.6		.0	.0	1.4	.0	.0	.0	1.4	
7	.0	.0	.6	.0	.0	.0	. 6		.0	.0	.2	.3	.0	.0	15	
8-9	.0	.0	.0	1.0	.0	.0	1.0		.0	.0	.3	.2	.0	.0	.5	
10-11	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0		.0		.0	.0	.0	.4	.1	.0	.5	
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0		.0		.0	.0		.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0		.0		.0	.0		.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0		.0	• 0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
87+ TOT PCT	.0	.0	.0	.0	•0	.0	.0		.0	.0		.0	.0	.0	.0	
	.6	3.9	3.5	1.6	.0	.0	9.6		.4	4.4		.9	.1	.0	10.5	94.6

	MIND	SPEFD	(KTS)	VS SEA	HETGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	7.6	4.6	.3	.0	.0	.0	12.6	003
1-2	2.0	19.9	7.6	.0	.0	.0	29.5	
3-4	• 3	13.6	19.2	.3	.0	.0	33.4	
5-6	•0	.7	10.6	1.0	.0	.0	12.3	
7	•0	.3	5.6	.7	.3	.0	7.0	
8-9	.0	.0	.3	2.3	.0	.0	2.6	
10-11	.0	.0	.7	.3	.0	.0	1.0	
12	•0	.0	.0	.3	.0	.0	.3	
13-16	.0	.0	.0	.7	.7	.0	1.3	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								302
TOT PCT	9.9	39.1	44.4	5.6	1.0	.0	100.0	

PERIOD): (OV	ER-ALL) 194	9-197	3				TABLE	19											
					PERCENT	FRE	QUENCY	DF WA	VE HEI	GHT (F	T) VS	WAVE P	ERIOD	(SECON	DS)						
PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN
<6	1.9	8.2	16.5	5.4	.4	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	154	3
6-7	.0	1.5	6.0	7.1	7.7	1.3	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	116	5
8-9	.0	.2	2.1	3.2	4.1	2.4	1.7	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	66	7
10-11	.0	.0	.6	2.8	1.5	1.1	.4	.2	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	35	7
12-13	.0	.0	.4	.6	.4	.9	.4	.2	.6			.0	.0	.0	.0	.0	.0	.0	.0	17	8
>13	.0	.0	.0	.4	.4	.4	1.1	.2	.2	.0		.0	.0	.0	.0	.0	.0	.0	.0	13	9
INDET	3.2	1.7	2.6	2.4	1.5	1.1		•0		.2		.0	.0		.0	.0		.0	.0	65	4
TOTAL	24	54	132	102	75	36		5	10	3	0	0	0	0	0	0	0	0	. 0	466	5
PCT	5.2	11.6	28.3	21.9	16.1	7.7	5.4	1.1	2.1	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1895-1973 (OVER-ALL) 1854-1973

TABLE 1

AREA 0002 MADEIRA ISLANDS 32.6N 16.6W

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

				RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHENO	MENA	
WND DIR	RAIN	RAIN	ORZL	FRZG PCPN	SNOW		HATL	PCPN AT	PCPN PAST	THOR	FDG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	
N NE	3.3	7.7	2:3	.0	.0	.0	.0	11.4	5.2	1:5	:07	:0	.8	:0	81.9
E	. 8	7.0	.0	.0	.0	.0	.0	8.4	1.6	.0	.0	.0	.0	.0	90.0
SE	5.7	6.3	2.5	.0	.0	.0	.0	10.7	4.4	2.5	.0	.0	1.9	.0	76.7
SW	6.0	9.4	1.3	.0	.0	.0	.0	16.8	6.0	2.0	1.3	.0	.5		83.0
VAR	.7	7.5	.0	.0	.0	.0	.0	8.1	7.2	.0	1.3	.0	.0		83.4
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TUT PCT TOT DBS:	2.5	6.9	1.3	.0	.0	.0	.0	10.6	3.8	1.1	.7	.2	.3	.2	83.3

TABLE 2

PERCENT	FREQUENCY	OF	WEATHER	DCCURRENCE	BY	HOUR

			P	RECIPI	TATIO	N TYPE					DTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	DTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNGW	
00603 06609 12615 18621	2.9 2.4 2.9	7.0 6.9 5.9 6.9	2.9 1.2	.0	.0	•0	.0	8.7 12.6 9.4 9.8	1.7 2.3 4.7 5.2	4.3	.6	.0 .6 .0	.0		84.3 83.3 84.7 83.3
TOT PCT	633	6.6	1.3	.0	.0	•0	.0	10.3	3.6	1.1	.6	•2	.3	•2	83.9

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

				ED (KN										(GMT)	11746		-
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	FREQ	SPD	00	03	06	09	12	15	18	21
N NE	1.0	7.8	5.6	1.6	:1	.0		16.1	11.7	13.9	15.0	13.9	18.4	15.8	50.0	15.7	21.7
E	.9	5.5	4.4	.7	. 1	.0		11.5	11.2	13.2	20.0	13.5	9.7	10.8	.0	11.8	8.4
SE	.8	3.4	2.1	.6	.0	.0		6.9	10.6	7.4	20.0	5.8	8.6	6.4	.0	6.7	7.5
S	.4	3.1	1.6	.8		.0		6.0	11.7	5.6	.0	6.2	7.4	6.5	.0	6.8	3.1
SW	.4	2.8	2.6	1.0	.1	.0		6.9	13.1	6.3	.0	9.3	5.0	7.8	.0	7.9	3.5
W	.7	4.1	5.1	1.5	. 2	.0		11.6	13.3	12.5	20.0	10.9	9.7	12.0	.0	11.2	12.8
NW	.6	4.5	6.3	1.7	. 6	.0		13.7	14.4	11.4	20.0	14.2	14.6	14.3	50.0	13.4	14.5
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	2.5							2.5	.0	2.9	.0	2.8	2.7	2.2	.0	2.0	2.7
TOT OBS	158	756	730	190	25	0	1859		12.1	341	5	354	222	366	2	343	226
TOT PCT	8.5	40.7	39.3	10.2	1 3	- 0		100-0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

		WIND	SPEED	(KNOTS)						HOU	(GHT	
WND DIR	0-6	7-16	17-27		41+	TOTAL	PCT	MEAN	00	06	12	18
						DBS	FREQ	SPD	03	09	15	21
N	4.0	8.4	3,1	.5	.0		16.1	11.7	13.9	15.6	16.0	18.1
NE	4.7	13.4	6.2	.4	.1		24.7	12.5	26.4	23.6	24.1	25.0
E	3.0	6.2	2.0	.3	.0		11.5	11.2	13.3	12.0	10.7	10.5
SE	1.9	3.8	1.1	.1	.0		6.9	10.6	7.6	6.9	6.3	7.0
SE S	1.5	3.2	1.2	.2	.0		6.0	11.7	5.6	6.7	6.5	5.3
SW	1.6	2.8	2.3	.1	.1		6.9	13.1	6.2	7.6	7.7	6.2
W	2.4	5.5	2.8	. 8	.1		11.6	13.3	12.6	10.5	12.0	11.8
NW	2.4	6.2	3.9	1.0	. 2		13.7	14.4	11.5	14.4	14.5	13.8
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	2.5			••			2.5	.0	2.9	2.8	2.2	2.3
TOT OBS	450	919	420	64	6	1859		12.1	346	576	366	569
TOT PCT	24.2	49.4	22.6	3.4	.3		100.0		100.0	100.0	100.0	100.0

NOVEMBER

PERIOD: (PRIMARY) 1895-1973 (DVER-ALL) 1854-1973

TABLE 4

AREA 0002 MADEIRA ISLANDS 32.6N 16.6W

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND 11-21		KNOTS 1 34-47	48+	MEAN	PCT FREQ	TOTAL
00603	2.9	5.2	42.2	37.9	10.7	1.7	.0	12.2	100.0	346 576 368
12615 18621 TOT	2.2	6.0	38.0 40.2 756	41.3 42.2 730	10.3 8.4 190	25	.0		100.0	569 1859
PCT	2.5	6.0	40.7	39.3	10.2	1.3	.0		100.0	

TABLE 5

,	CT FRE			LOUD A		(EIGHTHS)							CEILIN NH <5/					
WND DIR	0-2	3-4	5-7	8 & 085c0	TOFAL	COVER	000 149	150 299	300 599	600 999	1000	2000 3499	3500	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	
N	2.6	5.1	7.0	2.9		5.0	.0	.0	.4	1.6	3.7	1.8	.4	. 5	.0	.0	9.3	
NE	3.4	5.6	11.2	3.6		5.0	.0	.0	. 8	.7	3.2	2.8	1.6	1.2	.5	.0	13.1	
E	3.4	2.1	4.6	1.1		4.2	.0	.0	.0	.4	.9	1.3	1.0	.4	.0	.0	7.3	
SE	.3	.4	3.1	1.1		5.8	.0	.0	.1	.1	.4	.7	.3	.3	.3	.0	2.9	
S	.9	1.1	2.3	2.4		5.9	.0	.0	.2	.4	. 6	1.3	.5	.3	.0	.3	3.1	
SW	2.0	2.1	3.6	1.3		4.6	.3	.0	.1	.3	.7	.9	.4	.3	.0	.0	6.2	
	1.8	2.9	7.4	1.8		5.2	.3	.0	. 2	1.3	.9	1.8		.3	.0	.0	8.3	
NW	1.8	2.4	4.9	1.8		4.0	.0	.0	.1	2.1	1.7	. 8	.4	.1	.0	.0	5.7	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	1.0	.5	.5	.0		2.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	
TOT OBS	69	89	178	64	400	5.0	2	0	7	27	49	45	22	13	3	1	231	400
TOT PCT	17.3	22.3	44.5	16.0	100.0		.5	.0	1.8	6.8	12.3	11.3	5.5	3.3	.8	.3	57.8	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANFOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NH)

				VSBY (NH	1)			
CEILING	• DR	- DR	- OR	. OR	- OR	- OR	- OR	= OR
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
- DR >6500	.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0
■ DR >5000	3.5	4.0	4.0	4.0	4.0	4.0	4.0	4.0
■ DR >3500	7.7	9.2	9.5	9.5	9.5	9.5	9.5	9.5
■ DR >2000	15.7	19.7	20.4	20.4	20.4	20.4	20.4	20.4
· 0g >1000	25.9	31.4	32.4	32.4	32.7	32.7	32.7	32.7
. UR >600	30.4	37.7	39.2	39.2	39.4	39.4	39.4	39.4
■ DR >300	31.7	39.4	40.9	40.9	41.1	41.1	41.1	41.1
■ OR >150	31.7	39.4	40.9	40.9	41.1	41.1	41.1	41.1
- DR > 0	31.7	39.9	41.4	41.4	41.6	41.6	41.6	41.6
TOTAL	127	160	166	166	167	167	167	167

TOTAL NUMBER OF OBS: 401

PCT FREQ NH <5/8: 58.4

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 08 SCD 08 S 6.9 9.0 14.3 14.7 12.2 7.6 12.4 11.5 11.3 .0 434 PERIOD: (PRIMARY) 1895-1973 (OVER-ALL) 1854-1973

TABLE 8

AREA 0002 MADEIRA ISLANDS 32.6N 16.6W

		P	ERCENT						ALUES			CURRENC	E OF
VSBY		N	NE	E	SE	s	SW	W	NW	VAR	CALM	PCT	TOTAL
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	PCP	.2	.2	.2		.1	.0	.0	.0	.0	.0	.7	
/2<1		.0	.2	.0	.0	.0	. 2	.0	.0	.0	.0	.3	
	TOT %	.2	.3	.2		. 1	.2	.0	.0	.0	.0	1.0	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<2	NO PCP	.2	.0	.0	.0	.0		. 1	.2	.0	.0	.5	
	TOT %	. 2	.0	.0	.0	.0	*	.1	.2	.0	.0	.5	
	PCP	.0	.2	.0	.0	.0	.0	.0	.2	.0	.0	.3	
<5	NO PCP	.2	.2	.0	. 2	.2	.2	.2	.2	.0	.2	1.3	
	TOT %	. 2	.3	.0	.2	.2	.2	.2	.3	•0	• 2	1.6	
	PCP	1.6	1.2	.5	.5	.5	.6	1.4	.6	.0	.0	6.9	
<10	NO PCP	5.9	5.8	2.1	. 5	1.0	1.7	2.0	3.9	.0	.3	23.4	
	TOT %	7.5	7.0	2.7	1.0	1.5	2.3	3.4	4.5	•0	.3	30.3	
	PCP	11.2	16:1	7:3	.0	4:4	2	7:7	2	.0	.0	2.8	
10+	NO PCP	11.2		7.3	3.4	4.4	5.1		7.3	.0	1.3	63.8	
	TOT %	11.7	16.8	7.5	3.4	4.8	5.3	8.3	7.5	•0	1.3	66.6	
	TOT OBS												610
	TOT PCT	19.7	24.5	10.3	4.6	6.5	8.0	12.0	12.6	.0	1.8	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY	SPD	N	NE	Ε	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
<1/2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0		
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0		
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0		
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	•0	.0		
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
1/2<1		.1	.0	.0	.0	.0	.0	.0	.0	.0		.1		
	11-21	.0	.2	.1	.0	.0	.1	.1	.0	.0		.5		
	22+	.0	.0	.0	*	.1	.1	.1	.0	.0		.2		
	TOT %	.1	• 2	• 1	*	• 1	• 2	.2	.0	.0	.0	. 8		
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			
1<2	4-10	.0	.0	.0	.0	.1	.1	.2	. 1	.0		.4		
	11-21	. 2	.0	.0	.0	.1	.1	.1	.1	.0		.4		
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0		
	TOT %	• 2	.0	.0	.0	• 1	• 2	.2	.2	.0	.0	.8		
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2			
2<5	4-10	.1	.1	.1	.2	.0	.3	. 2	.1	.0		.9		
	11-21	.1	.1	.1	.0	.2	.1	.0	.0	.0		.6		
	22+	.1	.3	.1	.0	. 1	.0	.0	.1	.0		.7		
	TOT %	.3	.5	.3	• 2	.3	. 4	.2	.2	.0	•2	2.5		
	0-3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.2			
5<10		2.2	2.3	.9	.5	. 8	.4	.6	.9	.0		8.6		
	11-21	2.0	2.9	.9	.7	. 7	.9	1.4	1.8	.0		11.4		
	22+	1.1	. 8	.2	.2	.2	.5	.6	.6	.0		4.1		
	TOT %	5.4	6.1	1.9	1.5	1.7	1.8	2.6	3.3	.0	• 2	24.6		
	0-3	.2	.6	.8	.7	.4	.3	2.7	.1	.0	1.5	4.9		
10+	4-10	6.6	6.6	3.8	3.2	2.5	2.5	2.7	3.3	.0		31.3		
	11-21	4.6	7.7	2.4	.6	1.2	2.0	4.3	4.3	.0		27.2		
	22+	1.6	1.7	.1	.3	.9	.9	1.1	1.4	.0		8.0		
	TOT %	12.9	16.6	7.1	4.8	5.0	5.7	8.5	9.2	.0	1.5	71.3		
	TOT OBS												965	
	TOT PCT	18.9	23.5	9.4	4.5	7.2	8.2	11.7	12.8	.0	1.9	100.0		

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PERIOD: (PRIMARY) 1895-1973 (OVER-ALL) 1854-1973

TABLE 10

AREA 0002 MADEIRA ISLANDS 32.6N 16.6W

PERCENT	FREQUENCY (F CEILING	HEIGHTS	(FEET, NH	>4/81	AND
		PRICE DE N				

HOUR (GMT)	000	150 299	300 599	999	1999			5000 6499		8000+	TOTAL	NH <5/8 ANY HGT	TOTAL
60300	.0	.0	2.5	6.2	6.2	6.2	4.9	2.5	.0	.0	28.4	71.6	81
90360	2.2	.0	2.2	5.4	11.8	12.9	3.2	2.2	.0	.0	39.8	60.2	93
12615	.0	.0	.8	5.6	15.2	12.8	4.8	4.0	2.4	.0	45.6	54.4	125
18621	.0	.0	1.7	8.5	11.9	10.2	7.6	3.4	.0	.8	44.1	55.9	118
PCT	.5	.0	1.7	6.5	11.8	10.8	5.3	3.1	.7	1 .2	169	248 59.5	417

TABLE 11

TABLE 12

		PERCENT	FREQUEN	CY VSB	(NM)	BY HOUR		CUMULAT					VSBY (NM)	
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL
00803	.0	.0	1.6	1.6	25.0	71.8	188	00603	.0	2.6	11.7	19.5	68.8	77
90300	.0	.7	1.1	3.9	28.1	66.3	285	90360	2.3	4.7	14.0	26.7	59.3	86
12815	.0	2.2	.4	1.3	23.8	72.3	231	12615	.0	1.6	7.3	39.0	53.7	123
18621	.0	.4	.4	2.5	23.8	73.0	282	18821	•0	1.7	10.4	34.8	54.8	115
TOT	.0	8.8	.8	24	249	697	986	TOT PCT	.5	10	10.5	126	233	401

TABLE 13

TABLE 14

CALM
.0
1.0
.7
.2
.0
2.0

TABLE 15

	MEANS,	EXTREM	ES AND	PERCEN	TILES	OF TEN	IP (DE	G F) B	Y HOUR		PERC	ENT FRE	QUENCY	OF RELA	TIVE H	MIDITY	BY HOUR	
HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL	HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
00603	74	72	70	66	62	54	53	66.1	345	00803	.0	5.0	17.5	36.3	27.5	13.8	77	80
06809	74	72	71	66	62	59	54	66.0	578	90300	.0	5.5	27.5	24.8	29.4	12.8	76	109
12815		76	73	68	64	60	59	68.3	363	12615	.0	6.6	25.6	35.5	28.1	4.1	74	121
18821	75	74	72	67	62	60	57	67.1	556	18621	.0	7.1	21.4	31.3	25.0	15.2	76	112
TOT	81	74	72	67	62	60	53	66.8	1842	TOT	0	26	99	134	116	47	76	422

PERIOD: (PRIMARY) 1895-1973 (OVER-ALL) 1854-1973

TABLE 17

AREA 0002 MADEIRA ISLANDS 32.6N 16.6W

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (MITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA	57	61	65	69	73	77	TOT	W	WO
THP DIF	60		68	72	76	80		FOG	FOG
9/10	.0	.0	.0	.0	.2	.0	1	.0	.2
7/8	.0	.0	.2	.2	.0	.0	2	.0	.4
6	.0	.0	.0	.2	.0	.2	2	.0	.4
5	.0	.0	.2	.2	.0	.0	2 2 2 9	.0	.4
4	.0	.0	.7	.4	.5	.0	9	.0	1.6
3	.0	.0	.2	:4	.9	.0	10	.0	1.8
2	.0	.0	.4	2.0	1.4	.0	21	.0	3.7
1	.0	.5	1.4	3.2	.5	.0	32	.2	5.5
0	.0	.4	4.3	4.6	.5	.0	55	.0	9.8
-1	.0	1.6	7.3	5.9	.0	.0	83	.0	14.8
-2	.0	1.1	11.4	2.5	.0	.0	84	.2	14.8
-3	.0	2.7	11.7	2.0	.0	.0	92	.2	16.2
-4	.0	3.2	9.1	.9	.2	.0	75	.0	13.3
-5	.2	3.6	3.4	.2	.0	.0	41	.0	7.3
-6	.2	2.5	.9	.2	.0	.0	21	.0	3.7
-7/-8	.4	1.1	2.0	.0	.0	.0	19	.0	3.4
-9/-10	.5	.2	.5	.0	.0	.0	7	.0	1.2
-11/-13	.0	.9	.2	.0	.0	.0	6	.0	1.1
TOTAL	7		302		24			3	559
	1.25	99		129		1	562		
PCT	1.2	17.6	53.7		4.3	.2	100.0	.5	99.5

PERIOD: (UVER-ALL) 1963-1973 TABLE 18 PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT) NE 22-33 ... 0 ... 0 ... 1 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... HGT
<1
1-2
3-4
5-6
7
8-9
10-11
12
13-16
17-19
20-22
23-25
26-32
33-40
41-48
49-60
61-70
71-86
87+
TOT PCT 48+ PCT 1.6 4.1 7.6 6.0 1.7 1.6 .0 .0 .0 .0 .0 .0 .0 1-3 1-3 HGT
<1
1-2
3-4
5-6
7
8-9
10-11
12
13-16
17-19
223-25
26-32
33-40
41-48
49-60
61-70
71-86 1-3 22-33 48+ 1-3 34-47 48+

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									NOVEMBER							
PERIOD:	(OVE	R-ALL)	1963-	1973				TABLE	18 (CON	1)			AREA	32.		ISLANDS
				PC	T FREQ C	F WIND	SPEED	(KTS)	AND DIR	ECTION	VERSUS S	SEA HEIG	HTS (FT)		
				s								SW				
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10		22-33	34-47	48+	PCT	
<1	.5	.0	.0	.0	.0	.0	.5		.1	.5		.0	.0	.0	.6	
1-2	.5	1.6	.5	.0	.0	.0	2.6		.0	2.6		.0	.0	.0	2.6	
3-4	.0	.5	1.0	.0	.0	.0	1.6		.0	.5		.6	.0	.0	1.2	
5-6	.0	.0	. 8	.4	.0	.0	1.2		.0	.5		.0	.0	.0	1.3	
7	.0	.0	.4	.0	.0	.0	.4		.0	• 0		.0	.0	.0	.5	
8-9	.0	.0	.0	.0	.0	.0	.0		.0	•1		.5	.0	.0	.6	
10-11	.0	.0	.0	.5	.0	.0	.5		.0	• 0		.5	.0	.0	.5	
12	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	0	.0		.0	•0		.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
TOT PCT	1.0	2.1	2.7	.9	.0	.0	6.7		.1	4.3	1.3	1.7	.0	.0	7.4	
												NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.4	1.0	.0	.0	.0	.0	1.4		.0	.6	.0	.0	.0	.0	.6	
1-2	.0	1.4	.5	.0	.0	.0	1.9		.0	.5		.0	.0	.0	.6	
3-4	.0	1.0	2.1	.4	.0	.0	3.5		.0	.0		.0	.0	.0	1.7	
5-6	.0	.0	.9	5	.0	.0	1.4		.0	.6		1.0	.5	.0	2.7	
8-9	.0	.0	2.5	.5	.0	.0	3.0		.0	.0		.6	.0	.0	.8	
10-11	.0	.4	.5	.0	.0	.0	.9		•0	.0		.0	.0	.0	.0	
	•0		.5	.0	•0	.0	.5		.0	•0		.0	.0	.0	.5	
12	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	1.0	.0	1.0	
17-19	.0	.0	.4	.0	.0	.0	.0		.0	.0		.0	.5	.0	.6	
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.5	.0	.5	
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
TOT PCT	.4	3.9	7.4	1.4	•0	.0	13.1		.0	1.8	3.6	2.2	2.6	•0	10.2	97.9

	MIND	SPEED	(KTS)	VS SEA	HE I GHT	(FT)		
нст	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	3.6	5.2	1.0	.0	.0	.0	9.8	
1-2	1.0	14.9	4.1	.0	.0	.0	20.1	
3-4	•0	6.7	16.0	2.1	.0	.0	24.7	
5-6	•0	4.1	13.9	3.6	.5	.0	22.2	
7	•0	.0	5.7	3.1	.0	.0	8.8	
8-9	.0	.5	1.5	2.1	1.0	.0	5.2	
10-11	.0	.0	1.5	4.1	.0	.0	5.7	
12	•0	.0	.5	.5	.0	.0	1.0	
13-16	•0	.0	.0	.0	1.0	.0	1.0	
17-19	.0	.0	.5	.0	.5	.0	1.0	
20-22	•0	.0	.0	.0	.5	.0	.5	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	•0	.0	.0	.0	.0	.0	.0	
33-40	•0	.0	.0	.0	.0	.0	.0	
41-48	•0	.0	.0	.0	.0	.0	.0	
49-60	•0	.0	.0	.0	.0	.0	.0	
61-70	•0	.0	.0	.0	.0	.0	.0	
71-86	•0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	4.6	31.4	44.8	15.5	3.6	.0	100.0	194

PERIOD: (PRIMARY) 1907-1972 (OVER-ALL) 1855-1972

TABLE 1

AREA 0002 MADEIRA ISLANDS 32,6N 16.6W

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THOR	FUG WU PCPN	FUG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	
N NE	:9	3.5	1:2	:0	:0	.0	.0	5.0	5.8	:0	.0	:0	:0	:0	89.2
E	2.2	2.8	.0	.0	.0	•0	.0	5.0	.0	3,9	2.2	.0	1.1	.0	87.7
SE	6.6	3.3	1.1	.0	.0	.0	.0	10.9	3.3	2.2	2.2	.0	2.2	.0	79.2
5	.0	5.7	1.1	.0	.0	.0	.0	6.9	5.7	2.3	4.6	.0	.0	.0	80.6
SM	1.6	3.1	3.1	.0	.0	.0	.0	7.8	6.3	.0	.0	.0	.0		85.9
	6.1	5.6	1.4	.0	.0	.0	1.9	13.6	3.3	1.9	.0	.0	.0	.0	61.2
NW	3.4	9.1	1.9	.0	.0	.0	.0	14.0	.4	3.0	.0	.0	.0		82.6
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	2.1	5.1	1.1	.0	.0	.0	.2	6.2	3.3	1.4	.8	.0	.3	.0	85.9

TABLE 2

PERCENT	ERECHENCY	OF	MEATHER	DECLIBRENCE	RY	HOUR

			F	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAJL	PCPN AT	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	NO SIG WEA
00603	1.6	3.1	.8	.0	.0	.0	.0	5.5	4.7	3.9	.0	.0	.0	.0	85.8
06609	2.2	5.7	1.7	.0	.0	.0	.0	10.4	2.7	2.2	1.6	•0	.5	.0	82.5
18621	1.8	3.0	.6	.0	.0	.0	.6	6.0	4.2	.6	.6	.0	.6	.0	88.1
TOT PCT TOT OBS:	2.0	4.9	1.1	.0	.0	•0	•2	8.0	3.2	1.5	.8	•0	.3	.0	86.2

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		WI	ND SPE	ED (KN	ors)								HOUR	(GMT)			
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	FREQ	SPD	00	03	06	09	12	15	18	21
N NE	1.2	5.7	6.5	2.1	.1	:		15.7	13.0	13.8	18.8	15.3	16.7	16.9	50.0		13.7
E SE	1.3	10.0	6.2	1.1	.1	.1		18.8	10.8	17.9	25.0	17.1	18.9	17.3	29.2		21.6
S	. 8	2.8	1.8	.3	.0			5.8	9.7	5.4	.0	6.0	7.2	6.8	.0	4.8	5.1
SW	.6	3.9	2.4	.7	:3	.1		5.6	12.9	10.2	.0	9.4	5.8	7.4	.0	6.8	7.7
NW VAR	.5	3.8	3.6	.8	.0	.1		9.4	13.6	12.5	31.3	10.7	9.7	7.3	16.7	6.9	8.7
CALM	2.4				200			2.4	.0	2.7	.0	3.5	1.1	1.9	.0	2.7	1.6
TOT OBS	9.3	818	35.2	9.0	1.5	.4	1837	100.0	11.8	100.0	100.0	368	180	359	100.0	337	100.0

TA	86	E	34

		WIND	SPEED	(KNOTS)						HOUR	(GMT)
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL	PCT	MEAN	00	06	12	18
			-			QBS	FREQ	SPD	03	09	15	21
N NE	3.5	7.4	3.8	.9	.1		15.7	13.0	13.8	15.7	16.6	16.1
NE	4.2	13.8	5.3	.9	.1		24.3	12.6	24.1	24.9	23.6	24.3
E	4.9	10.6	2.9	.3	.1		18.8	10.8	17.7	17.7	17.5	21.2
E SE	3.2	5.2	1.1	.3	.1		9.9	10.3	8.6	9.5	11.4	10.0
S	2.5	2.4	.7	.1	*		5.8	9.7	5.4	6.4	6.6	4.9
SW	1.5	2.6	1.1	.3	.1		5.6	12.9	4.9	4.2	7.3	6.4
W	1.7	4.2	1.6	.4	.3		8.2	13.5	10.1	8.5	7.6	7.1
NW	2.3	4.2	2.1	.6	.2		9.4	13.6	12.7	10.4	7.5	7.7
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	2.4						2.4	.0	2.6	2.7	1.9	2.2
TOT OBS	482	927	343	70	15	1837		11.8	340	548	365	584
TOT PCT	26.2	50.5	18.7	3.8	.8		100.0			100.0		100.0

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PERIOD: (PRIMARY) 1907-1972 (OVER-ALL) 1855-1972

TABLE 4

AREA 0002 MADEIRA ISLANDS 32.6N 16.6W

PERCENTAGE	FREQUENCY	DF	WIND	SPEED	AY	HOUR	(CMT)

				WIND	SPEED (KNOTS)			PCT	TOTAL
HOUR	CALM	1-3	4-10	11-21	22-33	34-47	48+	MEAN	FREQ	OBS
60300	2.6	6.8	45.9	33.8	9.4	1.2	.3	11.5	100.0	340
90300	2.7	6.2	46.9	34.7	7.1	2.0	.4	11.6	100.0	548
12615	1.9	6.0	42.5	36.7	10.7	1.6	.5	12.4	100.0	365
18621	2.2	8.0	42.8	35.6	9.6	1.2	.5	11.8	100.0	584
TOT	44	126	818	647	166	28	8	11.8	-	1837
PCT	2.4	4 9	44 8	25 2	9 0	1 6	6		100 0	

P	PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION MEAN												CEILIN NH <5/					
WND DIR	0-2	3-4	5-7	8 & 085CD	TOTAL	CLOUD COVER	000 149	150 299	300 599	600 999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL
N	3.5	4.7	9.2	3.1		5.0	.0	.0	.0	2.0	4.1	3.0	1.6	.0	.0	.0		
NE	6.2	6.6	12.1	5.2		4.8	.0	• 2	.2	2.2	6.8	1.5	1.6	. 8	.2	• 1	16.5	
E	2.8	2.1	5.1	3.0		4.9	.2	.0	.2	1.5	1.9	.2	.6	.6	.0	.2	7.8	
SE	.7	1.1	2.9	2.3		5.8	.0	.0	.1	1.4	1.0	1.0	.2	.0	.2	.0	3.1	
S	.9	.6	1.9	1.9		5.5	.0	.0	.0	.6	1.1	.3	.3	.5	.0	.0	2.5	
SW	.5	. 3	2.0	1.3		5.7	.0	.0	.2	1.0	.2	. 8	.2	.2	.0	.0	1.9	
W	1.2	2.0	2.8	2.0		5.2	.0	.2	.2	.9	. 8	.3	.5	.1	.2	.2	4.5	
NW	1.2	3.3	3.4	1.8		4.8	.0	.1	.8	1.0	1.5	.7	.5	.1	.0	.1	5.2	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.5	.2	.5	.5		4.7	.0	.0	.0	.2	.0	.2	.0	.0	.0	.0	1.2	
TOT OBS	75	92	171	91	429	5.0	1	2	7	46	75	35	23	10	3	2	225	429
TOT PCT	17.5	21.4	39.9	21.2	100.0		.2	. 5	1.6	10.7	17.5	8.2	5.4	2.3	.7	.5	52.4	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

					VSBY (NM)			
CE	ILING	- DR	= DR	. DR	= OR	. nR	- DR	- DR	- DR
(F	EET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
- OR	>6500	.9	.9	.9	1.1	1.1	1.1	1.1	1.1
- OR	>5000	3.2	3.2	3.2	3.4	3.4	3.4	3.4	3.4
- DR	>3500	7.5	8.2	- 8.4	8.7	8.7	8.7	8.7	8.7
- DR	>2000	14.2	16.4	16.9	17.1	17.1	17.1	17.1	17.1
. OR	>1000	29.2	33.3	33.8	34.0	34.2	34.5	34.5	34.5
- OR	>600	37.0	42.9	44.3	44.5	44.7	45.0	45.0	45.0
- OR	>300	38.6	44.5	45.9	46.1	46.3	46.6	46.6	46.6
- OR	>150	38.8	44.7	46.1	46.3	46.8	47.0	47.0	47.0
. OR	> 0	38.8	44.7	46.3	46.6	47.0	47.3	47.3	47.3
	TOTAL	170	196	203	204	206	207	207	207

TOTAL NUMBER OF OBS: 438 PCT FREQ NH <5/8: 52.7

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 DBSCD DBS 5.5 6.3 14.4 14.0 11.4 10.1 11.2 11.6 15.3 .2 457

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PERIOD: (PRIMARY) 1907-1972 (OVER-ALL) 1855-1972

TABLE 8

AREA 0002 MADEIRA ISLANDS 32.6N 16.6W

PERCENT	FREQ OF	WIND	DIRECTION	VS	DCCURRENCE	CR	NON-DCCURRENCE	DF
					e wastier at			-

				PREC	IPITAT	ION MI.	TH VAR	A INC A	ALUES	OF VIS	IBILI	TY	
VSBY		N	NE	E	SE	s	SW		NW	VAR	CALH	PCT	TOTAL
	PCP	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.2	
<1/2	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT &	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.2	
	PCP	.0	.2	:3	.0	.0	.0	.0	.0	.0	.0	.2	
1/2<1		.0	.2	.3	.2	. 3	.0	.0	.0	.0	.0	.9	
	107 \$.0	.3	.3	. 2	.3	.0	.0	.0	.0	.0	1.1	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	NO PCP	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.2	
	TOT %	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.2	
	PCP	:2	.1	:0	.5	:0	.2	:2	.2	.0	.0	1.4	
2<5	ND PCP	.2	.2	.0	.0	.0	.2	.2	.2	.0	.0	.8	
	101 %	.4	.2	.3	.5	.0	.2	.4	.2	.0	.0	2.2	
	PCP	.1	.9	.4	. 3	.5	.4	.6	.8	.0	.0	4.0	
5<10	NO PCP	3.0	5.0	3.7	2.2	2.1	1.6	2.1	2.9	.0	.2	22.8	
	TOT *	3.0	5.9	4.1	2.5	2.6	2.0	2.7	3.7	.0	.2	26.7	
	PCP	14.8	1.1	9:5	.0	4:0	2:9	4:8	5:0	.0	1.3	2.5	
10+	NO PCP		19.7	9.5	4.1	4.0	2.9	4.8	5.9	.0	1.3	67.1	
	TOT %	15.5	20.8	9.5	4.1	4.0	2.9	5.0	6.6	•0	1.3	69.6	
	TOT DBS												632
	TOT PCT	18.9	27.3	14.2	7.2	6.9	5.1	8.4	10.5	.0	1.4	100.0	

TABLE 9

PERCENT FREG OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD	N	NE	E	SE	s	SW		NW	VAR	CALM	PCT	TOTAL
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	-
<1/2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.1	.0	.0		.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	4-10	.0	.2	.2	.1	.0	.0	.0	.0	.0		.5	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	. 2	.0	.0	.2	.0		. 4	
	TOT \$.0	.2	.2	.1	. 2	.0	.0	.2	.0	.0	.8	
	0-3	.0	.0			.0	.0	.0	.0	.0	.0	.1	
142	4-10	.1	.0	.0	.0	.0	.0	.1	.0	.0		.2	
	11-21	.1	.0	.0	.0	.0	.0	.0	.0	.0		.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.2	.0			.0	.0	.1	.0	.0	.0	.4	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	4-10	.1	.1	.0	.0		.1	.0	.1	.0		.5	
	11-21	.1		.1	.2	.0	.0	.2	.0	.0		.7	
	22+	.1		.1	. 2	.0	.0	.1		.0		.6	
	TOT %	.3	.2	.2	.4		.1	.3	.1	.0	.0	1.7	
	0-3	.3	.2	1.7	.3	.2	.1		.1	.0	.1	1.5	
5<10	4-10	.5	1,5	1.7	1.0	. 8	.4	1.2	.9	.0		8.1	
	11-21	1.1	2,5	1.2	.5	.6	.5	. 8	1.1	.0		8.3	
	22+	.4	4.7	.4	.1	.0	.3	.6	.6	.0		2.9	
	TOT %	2.4	4.7	3.4	1.9	1.6	1.4	2.6	2.8	•0	.1	20.8	
	0-3	1.0	.5	.9	.5	.3	.3	.4	.3	.0	1.7	6.0	
10+	4-10	5.9	8.1	6.9	3.6	1.8	1.4	2.8	3.2	.0		33.9	
	11-21	6.5	8.3	4.7	1.4	1.5	1.5	1.6	2.8	.0		28.3	
	22+	2.1	3.1	.4	.3	.1	.3	.7	1.1	.0		8 . 1	
	TOT %	15.5	19.9	13.0	5.9	3.8	3.5	5.6	7.4	•0	1.7	76.2	
	280 101												1072
1	TOT PCT	18.4	25.0	16.9	8.2	5.6	5.1	8.6	10.5	.0	1.8	100.0	

DECEMBER

PERIOD: (PRIMARY) 1907-1972 (OVER-ALL) 1855-1972

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TABLE 10

AREA 0002 MADEIRA ISLANDS 32.6N 16.6W

PERCENT FREQUENCY OF CEILING HFIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

										-			
HOUR (GMT)	000	150 299	300 599	600 999	1000	2000 3499	3500 4999	5000		8000+	TOTAL	NH <5/8 ANY HGT	TOTAL
00603	.0	.0	3.1	9.4	16.7	6.3	5.2	3.1	1.0	.0	44.8	55.2	96
90360	.0	.0	.0	12.9	19.8	5.9	3.0	3.0	.0	2.0	46.5	53.5	101
12615	.7	.7	2.1	8.3	15.2	9.0	6.9	2.8	.7	.0	46.2	53.8	145
18621	.0	1.0	1.0	11.8	17.6	11.8	5.9	.0	1.0	.0	50.0	50.0	102
TOT	1 .2	2	7	10.4	76	37	24	10	3	2	208	236	100.0

TABLE 11

TABLE 12

		PERCENT	FREQUEN	CY VSBY	(NM)	BY HOUR		CUMULAT	TVE PCT	FREQ IG HGT	OF RAN	GES OF NH >4/8	VSBY (NM)	AND/D
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL
00603	.0	.0	.5	1.4	16.1	82.0	211	£0300	.0	3,3	15.2	31.5	53.3	92
06609	.3	1.2	.3	1.5	23.2	73.4	327	90360	.0	1.0	14.0	33.0	53.0	100
12615	.0	.8	.4	2.4	17.9	78.5	246	12615	.7	3.5	12.5	34.0	53.5	144
18621	.0	1.0	.3	1.3	25.3	72.1	308	18621	.0	2.9	15.7	34.3	50.0	102
TOT	1	9	.4	18	232	828 75.8	1092	TOT PCT	1 .2	12	62	146	230	438

T	۸	R	c	1	2

	· Line		LAGENC	. J. K.			DITY A	TEMP	TOTAL	PCT
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	OBS	FREQ
75/79	.0	.0	.0	.0	.2	.0	.0	.0	1	.2
70/74	.0	.0	.0	.2	1.1	.7	.2	.2	11	2.5
65/69	.0	.0	.2	2.3	6.5	14.0	10.6	6.1	176	39.7
60/64	.0	.0	.2	4.1	15.8	19.6	9.9	4.7	241	54.4
55/59	.0	.0	.0	.0	1.1	.5	.7	.9	14	3.2
TOTAL	0	0	2	29	110	154	95	53	443	100.0
PCT	.0	.0	.5	6.5	24.8	34.8	21.4	12.0		

TABLE 14

	PERCE	NT FR	EQUENCY	OF W	IND DI	RECTIO	N BY TI	EMP	
N	NE	E	SE	s	SW		NW	VAR	CAL
.0	:0	.0	.0	.0	.0	.2	.1	.0	
	.3	.2				.6	.1	.0	
4.2	8.1	7.6	3.9	4.0	3.0	3.9	4.3	.0	
4.2	18.7	7.9	2.5	1.1	1.5	3.0	5.8	.0	:
.6	.3	.5	.6	.0	.2	.2	.5	.0	
9.0	27.4	16.2	7.0	5.1	5.0	7.8	10.7	.0	1.1

TABLE 15

HEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR
HOUR MAX 99% 95% 50% 5% 1% MIN HEAN TOTAL
0857
00603 70 69 67 63 59 57 52 63.5 337
00609 71 68 67 63 59 57 52 63.0 557
12615 75 72 70 65 61 59 55 63.0 557
12615 75 72 69 64 60 56 52 64.1 573
101 75 71 69 64 59 58 52 63.9 1818

TABLE 16
PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
(GMT)								DBS
00603	.0	4.3	23.7	40.9	17.2	14.0	76	93
06609	.0	3.3	26.4	37.2	19.8	13.2	76	121
12615	.0	10.6	28.0	28.0	21.2	12.1	74	132
18621	.0	8.3	21.1	33.0	28.4	9.2	75	109
TOT	0	31	114	156	99	55	75	455

PERIOD: (PRIMARY) 1907-1972 (OVER-ALL) 1855-1972

TABLE 17

AREA 0002 MADEIRA ISLANDS 32.6N 16.6W

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA	49	53	57	61	65	69	73	тот		WO	
THP DIF	52	56	60	64	68	72	76		FOG	FOG	
9/10	.0	.0	.0	.0	.0	.0	.2	1	.0	.2	
7/8	.0	.0	.0	.0	.0	.0	.2	1	.0	.2	
5	.0	.0	.0	.0	.4	.0	.0	2	.0	.4	
4	.0	.0	.0	.0	1.1	.9	.0	11	.0	2.0	
3	.0	.0	.0	.4	.7	. 5	.0	9	.0	1.6	
2	.0	.0	.0	. 9	1.4	1.1	.0	19	.0	3.4	
1	.0	.0	.0	.7	3.2	.7	.0	26	.0	4.6	
0	.0	.0	.2	2.3	7.0	1.1	.0	59	.4	10.2	
-1	•0	.0	.0	4.1	7.0	.5	.0	65	.0	11.6	
-2	.0	.0	.2	10.9	5.9	.4	.0	97	.0	17.3	
-3	.0	.0	.9	11.6	5.0	.0	.0	98	.0	17.5	
-4	.0	.0	.7	9.6	2.0	.0	.0	69	.0	12.3	
-5	.0	.0	1.1	5.7	1.3	.0	.0	45	.2	7.9	
-7/-8	.0	.0	1.8	2.3	.7	.0	.0	27	.4	4.5	
-7/-8	.0	.0	1.8	1.1	.7	.0	.0	20	.0	3.6	
-9/-10	.2	.0	.7	.4	.0	.0	.0	7	.0	1.3	
-11/-13	.0	.7	.0	.0	.0	.0	.0	4	.0	.7	
TOTAL	1		41		203		2		5	555	
		4		280		29		560			
PCT	.2	.7	7.3	50.0	36.3	5.2	.4	100.0	.9	99.1	

PERIOD: (OVER-ALL) 1963-1972

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT) HGT
<1
1-2
3-4
5-6
7
8-9
10-11
12
13-16
17-19
20-22
23-25
26-32
33-40
41-48
49-60
61-70
71-86
TOT PCT 1-3 1-3 11-21 1.5 7.8 5.6 1.2 7 .0 .0 .0 .0 .0 48+ 00000004000000000000004 34-47 HGT <1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60 61-70 71-86 87-7 1-3 48+

									DECER	HBER							
PERIOD:	COVE	R-ALL)	1903-1	972				TABLE	18	CONT)			AREA			ISLANDS
					T FREQ D								SEA HEIG	/FT			
				,	I FREU U	F WIND	SPEEN	(K12)	ANI	DIKE	LIIUN	AFK202	SEA HEIG	mis tri	,		
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT			1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
1-2	.0	1.1	.5	.0	.0	.0	1.6			.0	1.1		.0	.0	.0	2.2	
3-4	.0	.0	1.4	.0	.0	.0	1.4			.0	.7		.5	.0	.0	1.9	
5-6	.0	.0	.0	.0	.0	.0	.0			.0	.5		.0	.0	.0	.5	
7	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
TOT PCT	.0	1.1	1.9	.0	.0	.0	3.0			.0	2.3			.0	.0	4.6	
				W									NW				PCT
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT			1-3	4-10		22-33	34-47	48+	PCT	PCT
<1	.0	.5	.0	.0	•0	.0	5			.0	1.1		.0	.0	.0	1.1	
1-2	.0	.8	.4	.0	.0	.0	1.2			.0	2.0			•0	.0	2.7	
3-4 5-6	.0	1.0	1.1	.5	.0	.0	2.6			.0	.5		.0	.0	.0	4.1	
7	.4	.0	.4	.0	•0	.0	. 8			.1	•0		.0	•0	.0		
8-9	.0	.4	.0	.0	•0	.0	.4			.0	. 8		.0	.5	.0	1.9	
10-11	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.5	
12	.0	.0	.0	.0	.0	.0	.0			.0	.0			.1	.0	.8	
13-16	.0	.0	.0	.4	.0	.0	.4			.0	.0			.5	.0	.1	
17-19	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0				.0			.0	.0	.0	
23-25	.0	.0					.0			.0						.0	
26-32	.0	.0	.0	.0	.0	.0				.0	.0			.0	.0	.0	
33-40	.0	.0	.0	.0		.0	.0									.0	
41-48	.0	.0	.0	.0	.0	.0	:0			.0	.0			.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	:0			.0	.0			.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
TOT PCT	.4	2.7	1.9	1.0	.0	.0	6.0			.1	4.5			1.2	.0	12.7	98.9
				1.0	.0		0.0			••	4.5	0.7		1.2	.0	12.1	,,,,

	MIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	707 085
<1	2.7	2.2	.0	.0	.0	.0	4.9	403
1-2	•0	20.5	8.1	.0	.0	.0	28.6	
3-4	•0	9.7	20.5	1.1	.0	.0	31.4	
5-6	.5	1.1	11.9	3.2	.0	.0	16.8	
7	•0	2.2	3.2	.5	.5	.0	6.5	
8-9	•0	.0	2.7	1.6		.0	4.3	
10-11	•0	.0	1.1	2.7		.0	4.9	
12	•0	.0	.0	1.1	.0	.0	1.1	
13-16	.0	.0	.0	1.1	.5	.0	1.6	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								185
TOT PCT	3.2	35.7	47.6	11.4	2.2	.0	100.0	

PERIO): (DY	ER-ALL	194	9-197	2				TABLE	19											
					PERCENT	FRE	QUENCY	OF WA	VE HE 1	SHT (F	T) VS	WAVE P	ERIOD	(SECON	05)						
PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	HEAN
6-7	1.9	8.2	14.2	8.5	3.0	.3	.5	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	135	4
	.0	1.4	3.6	7.4	3.0	1.1	2.2	. 8	. 8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	74	6
8-9	. 3	.5	3.0	4.6	4.6	2.7	1.4	.8	. 8	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	71	7
8-9 10-11	.3	.5	.3	1.1	1.6	1.6	1.1	.5	1.1	.0		.0	.0	.0	.0	.0	.0	.0	.0	29	8
12-13	.0	.0	. 8	.5	.8	.3	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10	6
>13	.0	.0	.0	.0	.5	.0	.3	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	10
INDET	. 8	3.3	1.4	2.2	1.9	.5	.5	.0	. 8	.0			.0		.0	.0	.0	.0	.0	42	5
TOTAL	11	51	85	89	57	24	22	9	16	2	0	0	0	0	0	0	0	0	0	366	5
PCT	3.0	13.9	23.2	24.3	15.6	6.6	6.0	2.5		.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1890-1973 (OVER-ALL) 1854-1973

TABLE 1

AREA 0002 MADEIRA ISLANDS 32.6N 16.6W

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	
N NE	:7	3.8	:7	.0	:0	.0	.0	5.1	2.4	:3	1.1	:0	1.0	.0	90.3
E SE	1.7	3.3	.5	.0	.0	•0	.0	5.5	1.4	.8	2.3	.0	1.5	.0	89.4
SW	2.8	1.9	1.2	.0	.0	•0	.0	5.9	5.2	1.1	1.0	.0	.5	.0	86.5
NW	1.3	4.0	1.0	.0	.0	.0	.2	7.5	3.1	.7	1.0	.0	.7	.0	87.2
CALM	.0	•0	.0	.0	.0	.0	.0	1.1	2.0	.0	1.4	.0	3.1	.0	92.1
TOT PCT TOT OBS:	1.5	3.4	.7	.0	.0	.0		5.5	2.2	.6	1.3		1.0	•	89.4

TABLE 2

PERCENT	FREQUENCY	DF	WEATHER	OCCURRENCE	BY	HOUR

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HATL	PCPN AT OB TIME	PCPN PAST HOUR	THDR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNDW	
00603	1.7	2.6	.5	.0	.0	•0	.0	4.8	2.8	1.3	.9	.0	.7	.1	89.6
90300	2.1	3.9	1.0	.0	.0	.0		7.0	2.2	1.2	1.9		1.2	.0	86.8
12615	1.1	2.9	.8	.0	.0	.0	.0	4.7	2.0	.2	. 8	.0	1.1	.0	91.2
18621	1.2	4.0	.5	.0	.0	.0		5,8	1.8	.2	1.8	.0	.9		89.4
TOT PCT	1.5	3.4	.7	.0	.0	•0		5,6	2.2	.7	1.4		1.0	•	89.2

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		WI	ND SPE	ED (KN	DTSI								HOUR	(GMT)			
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	FREQ	SPD	00	03	06	09	12	15	18	21
N NE	1.3	9.8		1.5		:		20.8	11.7	20.9		21.6	20.5		17.9	20.5	21.2
E	.8	4.9						9.9	10.7	9.7	7.1	10.0	10.2		7.1	10.3	9.8
SE	.5	2.6	1.4	.3		*		4.9	9.4	4.6	5.1	4.3	5.4	5.5	4.7	4.8	5.1
S	.5	2.2	1.2	.3				4.2	9.2	4.2	4.9	3.8	4.5	4.6	3.2	4.5	3.7
SW	.7	3.1	2.3	.7	.1			6.9	10.9	6.8	9.9	6.5	6.4	7.5	11.2	7.5	6.3
W	.9	4.1	3.3	.9	.2	*		9.4	11.5	9.8	10.0	9.3	8.7	9.9	11.7	9.3	9.2
NW	.9	5.7	4.1	.9	.2	*		11.8	11.3	12.1	12.7	12.2	11.7	10.7	15.8	11.5	13.2
VAR	.0	.0	.0	.0		.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	3.5							3.5	.0	3.6	3.6	4.3	4.4	2.7	.0	2.8	3.5
TOT OBS							24501		11.2	4396	84	4685	2794	4690	81	4549	3222
TOT PCT	10.3	44.1	37.2	7.5	.8	.1		100.0		100.0	100.0	100.0	100.0	100.0		100.0	

WND DIR	0-6	7-16	SPEED 17-27	(KNDTS) 28-40	41+	TOTAL ORS	PCT	MEAN SPD	00 03	06 09	12 15	18 21
N NE	5.0	11.3	4.0	.5	:		20.8	11.7	20.8	21.2	20.4	20.7
E	2.8	5.3	1.6	.2			9.9	10.7	9.6	10.1	9.8	10.1
SE S	1.7	2.4	.7	.1	*		4.9	9.4	4.6	4.7	5.5	4.9
S	1.6	1.9	.6	•1			4.2	9.2	4.3	4.1	4.6	4.1
SW	2.2	3.1	1.4	.2			6.9	10.9	6.9	6.4	7.6	7.0
W	2.7	4.3	2.0	.4	.1		9.4	11.5	9.8	9.1	10.0	9.2
NW	3.5	5.6	2.3	.4	.1		11.8	11.3	12.0	12.0	10.7	12.2
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	3.5						3.5	.0	3.6	4.4	2.6	3.1
TOT DBS						24501		11.2	4480	7479	4771	7771
TOT PCT	28.1	49.7	19.4	2.5	. 3		100.0		100.0	100.0	100.0	100.0

							ANNUAL						
PERIOD: (PRIMARY) (OVER-ALL)	1890-197 1854-197						TABLE 4				AREA	10002 MAI	DEIRA ISLANDS
			PER	CENTAGE	FREQUE	NCY OF	WIND SF	EED BY	HOUR	(GMT)			
	HOUR	CALM	1-3	4-10			(KNOTS)	48+	MEAN	PCT	TOTAL		
	£0300	3.6	6.6	45.4	36.6	7.0		:1	11.1	100.0	4480 7479		
	12615 18621 TOT	3.1	7.0	42.2	39.2	7.6	.8	:1	11.6	100.0	4771 7771 24501		
	PCT	3.5	6.8	44.1	37.2	7.5	.8	.1	11.2	100.0	24301		

0 0

0 3

			T	ABLE 5								T	ABLE 6					
	PCT FRE			D DIREC		(EIGHTHS)							CEILIN NH <5/					
MND DI	0-2	3-4	5-7	8 £	TOTAL	COVER	000 149	150 299	300 599	600 999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	
N NE	6.7	5.7	8.3	3.5		4.5	.:	:	.2	1.7	3.2	2.7	1.0	.5	.2	:1	14.6	
E	2.3	1.5	2.9	1.5		4.4			.1	.3	1.1	.9	.4	.2	*	.1	5.2	
SE	.7	.7	1.5	.9		4.7	.0	.0		.4	.4	.4	.3	.1	.1	*	2.1	
S	1.1	. 8	1.6	1.2		4.3	.0	.0	.1	.4	.6	.4	.2	.1	*	.1	2.7	
SW	1.7	1.7	2.6	1.3		4.3		.0	.1	.5	. 8	.6	.3	.1		.1	4.8	
W	2.4	2.3	3.8	1.6		4.4			.1	. 8	1.3	.8	.3	.1	*	*	6.5	
NW	3.3	2.6	3.9	1.2		4.1			.2	.7	1.3	. 8	.6	.1		*	7.1	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	1.2	.5	.6	.3		3.6		.0		.1	.2	.2	.1			.0	2.0	
TOT OB	5		-		5254	4.5												5254
TOT PC	26.5	22.1	35.4	16.0	100.0		.2	. 1	1.0	6.7	13.2	9.9	4.9	1.8	.6	.5	61.0	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS DCCURRENCE
OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

				VSBY (NM	1)			
CEILING	- DR	- DR	- DR	- OR	- DR	- DR	. OR	= DR
(FEET)	>10	>5	>5	>1	>1/2	>1/4	>50YD	>0
- DR >6500	.9	1.0	1.0	1.1	1.1	1.1	1.1	1.1
 DR >5000 	2.5	2.8	2.9	2.9	2.9	2.9	2.9	2.9
■ DR >3500	6.8	7.6	7.7	7.8	7.8	7.8	7.8	7.8
■ DR >2000	14.7	17.2	17.7	17.8	17.8	17.8	17.8	17.8
= OR >1000	25.8	30.0	30.8	30.8	30.9	30.9	30.9	30.9
. DR >600	30.8	36.3	37.2	37.4	37.4	37.4	37.5	37.5
■ DR >300	31.6	37.2	38.2	38.4	38.4	38.4	38.5	38.5
■ DR >150	31.6	37.4	38.3	38.5	38.5	38.6	38.6	38.6
- DR > 0	31.7	37.5	38.5	38.6	38.7	38.8	38.8	38.8

TOTAL NUMBER OF 085: 5339 PCT FREQ NH (5/8: 61.2

TABLE 7A
PERCENTAGE FREQ UF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 08SCD 08S 8.1 12.0 16.2 13.3 11.0 7.8 10.1 9.3 12.1 .1 5685 PERIOD: (PRIMARY) 1890-1973 (OVER-ALL) 1854-1973

TABLE 8

AREA 0002 MADEIRA ISLANDS 32.6N 16.6W

PERCENT	FREQ 0	F WIND D	IRECTION VS	DCCURRENCE DR	NON-UCCURRENCE OF
	PORCI	PITATION	WITH VARYIN	C VALUES OF V	ISTRICTY

				PREC	IPITAT	ION MI	TH VAR	YING V	ALUES	DF VIS	IBILLI	*	
VSBY		N	NE	E	SE	5	SW	×	NW	VAR	CALM	PCT	TOTAL
	PCP			.0	.0	.0				.0	.0	.1	
<1/2	NO PCP	*	:			.0	.0			.0		.1	
	TOT &			•		.0				.0		.2	
	PCP						.0	.0	.0	.0	.0	.1	
1/2<1	NO PCP	. 2	.3	. 1		.1	.1	.1	.1	.0	.0	.9	
	TOT %	:2	.3	:1	.1	:1	.0 .1 .1	.0 .1 .1	:1	.0	.0	1.0	
	PCP	.0	.0	.0	.0	:			.0	.0	.0	.1	
1<2	NO PCP	.1	. 2		.0				.1	.0	.1	.6	
	TOT &	.1 .1	. 2		.0		.1	.1	.1	.0	.1	.7	
	PCP		.1	:1	.1		.1	:1		.0	*	.4	
2<5	NO PCP	.2	.1	.1	.1	.1	.1	.1	.1	.0	*	. 9	
	TOT &	. 3	.2	.1	. 1	.1	.2	.2	.1	.0		1.3	
	PCP	.7	.7	.4	.2	.2	.3	.5	.5	.0	.0	3.5	
5<10	NO PCP	6.0	7.9	2.2	1.1	1.1	2.1	2.8	3.1	.0	.6	27.0	
	TOT %	6.7	8.6	2.6	1.3	1.1	2.5	3.3	3.6	.0	.6	30.5	
	PCP	.3	.4	5.6		3.0	.1	.2	.2	.0		1.3	
10+	NO PCP	15.6	18.7	5.6	2.6	3.0	4.0	6.2	7.0	.0	1.7	65.1	
	TOT %	15.9	19.1	5.7	2.6	3.1	4.7	6.4	7.2	.0	1.7	66.4	
	TOT OBS												8038
	TOT PCT	23.2	28.3	8.6	4.1	4.6	7.5	10.1	11.1	.0	2.4	100.0	

TABLE 9

			P					DF VI			EU		
VS8Y (NM)	SPO	N	NE	ε	58	S	5*	×	NW	VAR	CALM	PCT	TOTAL
	0-3	.0	.0	.0	.0	.0		.0	.0	.0			
<1/2	4-10				*	.0	.0	.0		.0			
	11-21	.0	:	.0	.0	.0	.0	.0	.0	.0		:	

(NM)	KTS	N.	NE	E	3.5	2	24	*	NW	VAH	CALM	PC.I	UBS
£ (41.1.)	0-3	.0	.0	.0	.0	.0		.0	.0	.0			003
<1/2	4-10					.0	.0	.0		.0			
1112												-	
	11-21	.0	:		.0	.0	.0	.0	.0	.0			
	22+	.0		.0	.0	.0	:	.0		.0		.1	
	TOT %		•	•	•	.0		•		.0		.1	
	0-3			.0	.0		.0			.0			
1/2<1	4-10	.1	.1			.0	.0	*		.0		.3	
	11-21	*	.1			.0	:			.0		.2	
	22+			.0						.0		.1	
	TOT %	.1	.2	.1			.1	.1	.1	.0		.7	
	0-3		.0			.0	.0		.0	.0	.1	.1	
1<2	4-10				.0					.0		. 2	
	11-21	.1	.1		.0					.0		.2	
	22+		*	.0	.0		.1		.0	.0		.1	
	TOT %	.1	.1		*		.1	.1		.0	.1	.6	
	0-3	.0				.0	.0		.0	.0		.1	
2<5	4-10	.1	.1			.1	.1	.1		.0		.5	
-	11-21	.1	.1	.1	.1	.1	.1	.1	.1	.0		.7	
	22+	.1	.1					.1		.0		.4	
	TOT %	. 2	.3	.1	.1	.2	.3	.2	.1	.0		1.6	
	0-3	.3	.3	.1	.1	.1	.1	.1	.2	.0	.5	1.7	
5<10	4-10	2.0	2.3	1.0	. 5	.4	. 8	.9	1.1	.0		8.8	
	11-21	2.2	3,3	.8	.4	.5	.8	1.0	1.0	.0		10.0	
	22+	.4	.6	.1	.1	.1	.3	.4	.4	.0		2.5	
	TOT %	4.8	6.4	2.0	1.1	1.1	1.9	2.5	2.6	.0	.5	23.0	
	0-3	.8	.9	.6	.4	.3	.5	.6	.7	.0	2.2	6.9	
10+	4-10	8.7	9.3	3.7	2.0	1.8	2.3	2.9	4.4	.0		35.3	
	11-21	6.4	9.8	2.3	.8	. 9	1.6	2.4	2.8	.0		27.2	
	22+	1.1	1.4	.3	.2	.2	.4	.6	.6	.0		4.7	
	TOT %	17.0	21.4	6.9	3.4	3.2	4.9	6.5	8.5	.0	2.2	74.0	
1	TOT OBS												13467
	TOT PCT	22.4	28.5	9.2	4.6	4.5	7.3	9.4	11.4	.0	2.8	100.0	
	0. 101		20.00	***	4,0	4.3				.0	2,0		

ANNUAL

PERIOD: (PRIMARY) 1890-1973 (OVER-ALL) 1854-1973

TABLE 10

AREA 0002 MADETRA ISLANDS 32.6N 16.6W

PERCENT	FREQUENCY	DF CE	ILING	HF I GHTS	(FEET, NH	>4/8)	AND

HOUR (GMT)	000	150 299	300 599	999	1000	2000 3499	3500 4999	5000 6499	6500 7999	*000	TOTAL	NH <5/8 ANY HGT	TOTAL
00603	.2	.0	1.1	6.4	11.4	10.2	3.8	1.8	.3	.6	35.8	64.2	1178
90360	.5	.2	1.0	8.1	16.0	10.8	3.5	2.0	.7	.4	43.1	56.9	1230
12815	.2	.2	1.1	5.6	12.2	9.5	6.2	2.1	.4	.6	38.2	61.8	1690
18821	.0	.1	.7	5.7	11.6	9.0	5.0	1.2	.6	.4	34.5	65.5	1442
TOT	.2	.1	1.0	6.4	12.7	9.8	4.8	1.8	.5	.5	37.9	62.1	5540

TABLE 12

		PERCENT	FREQUEN	CY VSB	(NM)	BY HOUR		CUMULAT					VSBY (NM)	
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL
00803	.1	.3	.3	2.0	20.2	76.9	2733	00603	• 2	1.4	10.0	27.7	62.3	1117
06609	. 2	.8	.6	2.1	27.0	69.3	3970	90360	.4	1.8	11.9	32.7	55.4	1171
12615	•1	.6	.8	1.0	22.1	75.3	3111	12815	•2	1.7	8.0	31.3	60.6	1643
18621		.9	.5	1.3	23.6	73.7	4004	18821	.0	1.0	7.6	27.9	64.5	1408
TOT PCT	.1	.7	.6	1.6	23.6	73.4	13818 100.0	TOT PCT	.2	1.4	9.2	30.0	60.8	5339 100.0

TA	B	L	F	1	9

.0 .1 1.5 5.3 4.5 7.6 1.1

4.2 20.0 33.6 30.3 11.6

TEMP F

.0 .00000000 .0

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP 0-29 30-39 40-49 50-59 60-69 70-79 80-89 90-100 OBS PCT FREQ * 5.6 28.2 29.9 31.9 3.9 5492 100.0 .0 *
.2 .1
2.4 1.0
9.1 9.6
10.1 10.1
10.7 8.6
1.2 .9

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP VAR CALM .0 .1 1.9 9.5 7.6 8.6 1.1 .0 .1 1.2 7.5 6.2 6.7 1.0 .0 .2 .8 1.5 1.4 .0 * .6 1.9 2.7 3.0 .3 .0 .2 1.0 2.0 1.4 .0 .0 .1 .2 1.2 .8 .7 .0 .1 .4 2.0 3.6 3.5 8.5 4.0

.0

TABLE 15

.0 * .4 .7 1.1 1.8 .2

.2

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

95% 69 70 73 72 50% 66 68 67 MEAN TOTAL OBS
65.6 4489
65.6 7471
68.4 4656
67.3 7581
66.7 24197 HDUR (GMT) 00803 06809 12815 18821 TOT 85 84 84 86 MIN MEAN 50 65.6 50 65.6 50 68.4 52 67.3 50 66.7 5% 62 62 64 63 1% 59 60 61 61 71 72 76 75

TABLE 16

4.7 7.3 9.9

22.9 28.8

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

TOTAL OBS 1167 1460 1674 1387 0-29 30-59 60-69 70-79 80-89 90-100 MEAN 13.6 17.3 25.2 21.8 31.2 31.7 34.4 36.1 .0 2.8 2.6 7.1 4.4 36.5 34.1 25.1 28.3 15.8 14.2 8.2 9.4

PERIOD: (PRIMARY) 1890-1973 (OVER-ALL) 1854-1973

TABLE 17

AREA 0002 MADEIRA ISLANDS 32.6N 16.6W

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE DCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS ATR-SEA TEMPERATURE DIFFERENCE (DEG F)

			42	AIR-	SEA I	EMPER.	ATURE	DIFFE	RENCE	(DEC F)		
AIR-SEA	49	53	57	61	65	69	73	77	81	TOT	W	WO
THP DIF	52	56	60	64	68	72	76	80	84		FOG	FOG
11/13	.0	.0	.0	.0			.1	.0	. 1	10	.0	.1
9/10	.0	.0	.0			.1	.1	.1		28	.0	.4
7/8	.0	.0	.0	.0	.1	.3	.2	. 2	*	60		. 8
6	.0	.0	.0		.1	.2	.2	.2		60	.1	.7
5	.0	.0	.0	.1	.3	.5	.3	. 4		126		1.6
4	.0	.0		.2	.7	.7	.7	.4	.0	194		2.6
3	.0		.0	.4	1.1	.9	1.1	.3	.0	282	. 2	3.5
2	.0	.0		.7	2.2	1.7	1.9	. 2	.0	496	.2	6.5
0	.0	.0	. 1	1.9	2.9		2.3	.1	.0	734	.2	9.6
0	.0	.0	.2	4.0	4.3	4.9	2.7	. 1	.0	1218	.2	16.1
-1	.0	.0	.5	5.5	4.3	5.3	1.4		.0	1270	.2	16.8
-2	.0	*	1.1	5.3	3.2	3.3	.6	:	.0	1042	.2	13.4
-3	.0	*	1.4	4.1	2.6	2.1	.3		.0	798	.1	10.4
-4	.0	*	1.5	2.7	1.7	.9	.1	.0	.0	531		7.0
-5	.0	.1	1.1	1.5	. 8	.4	.1	.0	.0	303	*	4.0
-6	.0	.1	. 8	. 8	.4	.2	.1	.0	.0	170	*	2.2
-7/-8	.0	.2	.5	.5	. 3	.1		.0	.0	130	.0	1.7
-9/-10		. 1	.3	.3	*	.0	.0	.0	.0	53	.0	.7
-11/-13	*	. 1	*	. 1		*	.0	.0	.0	21	.0	. 3
-14/-16		.0		.0	.0	.0	.0	.0	.0	2	.0	
TOTAL										7528		
PCT		.5	7.6	28.2	25.1	24.0	12.3	2.0	.2	100.0	1.5	98.5

PERIOD: (DVER-ALL) 1963-1973

TABLE 18

				PC	T FREQ	OF WIND	SPEED	(KTS)	AND DIRE	CTION V	ERSUS S	EA HEIG	HTS (FT)	
нст	1-3	4-10	11-21	N 22-33	34-47	48+	PCT		1-3	4-10	11-21	NE 22-33	34-47	48+	PCT
<1	.4	1.2	.2	.0	.0	.0	1.8		.3	1.2	.1	.0	.0	.0	1.6
1-2	.1	6.1	1.9	.0	.0	.0	P.1		.2	5.4	2.1	.0	.0	.0	7.7
3-4	.1	2.8	3.8	.3	.0	.0	7.0		.1	3.2	6.5		.0	.0	10.0
5-6	.0	.6	3.0	.3	.0	.0	3.8		.0	.6	5.3	.7	.0	.0	6.5
7	.0	.4	1.2	.6	.0	.0	2.2		.0	.1	1.3	.6	.0	.0	2.0
8-9	.0	.0	.2	.4		.0	.6		.0	*	.5	.3	.1	.0	2.0
10-11	.0	.0	.1	.7		.0	.8		.0	.0	.1	.2	.0	.0	.9
12	.0	.0	.0	.1	.0	.0	.1		.0	.0	.0	*	.0	.0	
13-16	.0	.0	*			.0	.1		.0	.0	.0	.1	*	.0	.1
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0
TOT PCT	.6	11.1	10.4	2.3	.1	.0	24.6		.6	10.5	15.8	2.2	.1	.0	29.1
,5, ,6,			10.4	2.,,	• • •	.0	24,0		••	10.5	19.0	2.2	• • •	•0	29.1
HGT	1-3	4-10	11-21	E								SE 22-33			
	.3			22-33	34-47	48+	PCT		1-3	4-10	11-21		34-47	48+	PCT
<1		2.0	.0	.0	•0	.0	. 8		.1	.4	.0	.0	.0	.0	.5
1-2	• 1		.5	.0	.0	.0	2.6		• 1	.9	.4	• 0	.0	.0	1.4
5-6	.0	.8	1.7	*	.0	.0	2.5			.4	.5	.1	.0	.0	1.0
7	.0	.2	.9	.1	.0	.0	1.2		.0	*	.3	*	.0	.0	.4
8-9	.0	:1	.1	.1	.0	.0	.4		.0	.0	.1	.1	.0	.0	.1
10-11	.0	.0	.0	.2	.0	.0	.3		.0	.0	.0	*	.0	.0	.1
	.0		.0	.1	.0	.0	.1		.0	.0		•1		.0	.2
12		.0		.0	.0	.0	.0		.0	•0	.0	.1	.0	.0	.1
13-16 17-19	.0	.0	.0	.0	*	.0	*		.0	• 0	• 0	.0	.0	.0	.0
	.0		.0	.0	.0	.0	.0		.0	• 0	.0	.0	.0	.0	.0
20-22	.0	.0		.0	.0	.0	.0		.0	• 0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	•0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
33-40 41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	•0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	• 0	.0	.0
61-70	.0			.0	.0	.0	.0		.0	•0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0		.0	•0	.0	•0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	•0	.0	.0
TOT PCT	.4	3.6	3.3	.0	•0	.0	7.9		.0	1.8	1.3	.0	.0	.0	3.7

									ANNI	JAL				****			
PER100:	(DVE	R-ALL)	1963-1	.973				TABLE	18	(CONT)				AREA	32		ISLANDS
				PC	T FREQ	DE WIND	SPEED	(KTS)	AND	DIREC	TION	VERSUS S	SEA HEIG	HTS (FT	,		
							3. 02.0										
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT			1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	.3	.3	.0	.0	.0	.0	.6			.2	.6		.0	.0	.0	.9	
1-2	.1	1.1	.4	.0	.0	.0	1.6				1.3		.0	.0	.0	2.0	
3-4	.0	.4	.8	.1	.0	.0	1.3			.0	.9	1.2	.2	.0	.0	2.3	
5-6	.0	.1	.4	.1	.0	.0	.5			.0	.2		.2	.0	.0	1.3	
7	.0	.0	.3			.0	.4					.6	.3	.0	.0	.9	
8-9	.0	.0	.0	.1	.0	.0	.1			.0		.2	.2		.0	.4	
10-11	.0	.0		.1	.0	.0	.1			.0	.0		.1	.0	.0	.2	
12	.0	.0	.0	.1	.0	.0	.1			.0	.0				.0	.1	
13-16	.0	.0	.0	.0	.0	.0	.0			.0					.0	.1	
17-19	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0			.0	•0		.0	.0	.0	.0	
26-32	.0	.0	.0	•0	•0	.0	.0			.0	•0		.0	•0	.0	.0	
33-40	.0	.0	.0	.0	•0	.0	.0			.0	.0		.0	.0	• 0	.0	
41-48	.0	.0	.0	.0	•0	.0	.0			.0	•0		.0	.0	.0	•0	
49-60	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	•0	
61-70 71-86	.0	.0	.0	.0	•0	.0	.0			.0	•0		.0	.0	.0	.0	
87+	.0	.0		.0	.0	.0	.0			•0	•0		.0	.0	.0	•0	
TOT PCT	.0	1.9	1.9	.0	• 0	.0	.0			.0	3.0		1.1	.1	.0	8.1	
101 701	• •	,		.,		••	4.6			• • •	3.0	3.3		• • •	.0	0.1	
				W									NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT			1-3	4-10		22-33	34-47	48+	PCT	PCT
<1	.2	.6		.0	.0	.0	.9			• 2	1.1		.0	.0	.0	1.4	
1-2	• 1	1.5	.5	•0	.0	.0	2.0			.3	2.0		.0	• 0	•0	3.1	
3-4	*	.7	1.7	.1	.0	.0	2.5			•1	1.0			.0	.0	2.8	
5-6	• 1	• 2	1.0	.2	•0	•0	1.5			*	• 3		•1	*	•0	1.4	
8-9	.0	• 1	.7	.3	.0	.0	1.2			•0	• 1		•2		.0	.7	
10-11	.0	.0	• 1	.2	• 1	.0	.4			.0	• 0		.1	•0	.0	.3	
12	.0	.0	.0	.1	•1	.1	2			.0	.0		:1	.0	.0	•2	
13-16	.0	.0	.0		•1	.0	.1			.0	.0			.1		.3	
17-19	.0	.0	*	.0	.0	.0	*			.0	.0		.1		.0	.1	
20-22	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0		.0	*	
23-25	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
TOT PCT	.4	3.2	4.1	.9	.2	.1	8.9			.6	4.6		.6	.3	.0	10.4	97.3
										P. 18						-	

	WIND	SPEED	(KTS)	VS SEA	HE I GHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	5.4	6.1	.4	.0	.0	.0	11.9	003
1-2	1.1	20.1	7.2	.0	.0	.0	28.4	
3-4	.4	10.2	17.4	1.0	.0	.0	28.9	
5-6	•1	2.2	12.5	1.6		.0	16.5	
7		.7	4.8	2.2	.1	.0	7.8	
8-9	.0	.2	1.1	1.6	.2	.0	3.1	
10-11	.0	.0	.5	1.3	.2	.1	2.1	
12	.0	.0	*	.4		.0	.5	
13-16	.0		.1	.3	.3	.0	.7	
17-19	•0	.0		.0		.0	.1	
20-22	.0	.0	.0	.0		.0		
23-25	•0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	•0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	•0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	•0	.0	.0	.0	.0	.0	.0	
								2678
TOT PCT	7.0	39.6	44.0	8.3	.9	.1	100.0	-

PERCENT	EDEQUENCY	ne	OCCUPPENCE	DE	SEA	TEMP	(DEG	F)	RY	MONTH	

DEG F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ост	NOV	DEC	ANN	PCT
96+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
95/96	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
93/94	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
91/92	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
89/90	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
87/88	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
85/86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
83/84	.0	.0	.0	.0	.0	.0	.0	.0	. 1	.0	.0	.0	1	
81/82	.0	.0	.0	.0	.0	.0	.1	.2	.1		.0	.0	7	
79/80	.0	.0	.0	.0	.0		.1	.4	.4	.1	.0	.0	21	.1
77/78	.0	.0	.0	.0	.0	.1	.3	1.0	2.2	. 8	.2	.0	90	.4
75/76	.0	.0	.0	.0	.0	.1	1.8	9.2	11.1	4.8	.5	.0	538	2.3
73/74	.0	.1	.1	.2	.2	2.1	11.6	35.0	45.7	23.2	2.2	.2	2376	10.2
71/72	.4	.4	.1	.2	.8	7.8	33.0	40.0	33.4	42.1	13.2	1.4	3428	14.7
69/70	.9	.3	.2	.9	3.2	21.6	35.0	12.5	6.0	21.4	33.6	5.1	2776	11.9
67/68	4.7	2.5	2.4	4.3	13.5	38.0	14.2	1.5	1.2	6.2	31.1	22.8	2809	12.0
65/66	28.0	10.7	11.2	16.5	35.8	23.3	3.4	.2	.0	1.1	13.8	41.6	3598	15.4
63/64	46.9	46.2	43.5	47.4	37.9	6.5	.5	.1	.1	.3	4.6	24.9	4953	21.2
61/62	15.1	31.3	32.2	22.3	7.3	. 2	.0	.0	.0	.0	.6	3.5	2133	9.1
59/60	2.9	6.7	8.7	6.7	1.2		.0	.0	.0	.0	.1	. 2	503	2.2
57/58	.4	1.0	1.5	1.0	.2	. 1	.0	.0	.0	.0	.0	. 2	85	.4
55/56	.7	.6	.2	.5	.0	.0	.0	.0	.0	.0	.0	.0	37	.2
53/54	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	6	*
51/52	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
49/50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
47/48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
45/46	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
43/44	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
41/42	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
39/40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
37/38	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
35/36	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
33/34	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
31/32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
29/30	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
27/28	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
<27	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
TOTAL	1685	1863	1903	1969	2289	2182	1960	1918	1912	2160	1785	1735	23361	100.0
MEAN	63.8	62.8	62.7	63.3	64.8	67.6	70.3	72.3	72.8	71.4	68.4	65.6	67.1	

TABLE 21

PRESSURE (MB)

			Ay	ERAGE	BY HOU	R (GMT)				
						-				TOTAL	
MO	0000	0300	0600	0900	1200	1500	1800	2100	MEAN	DBS	
JAN	1021	1023	1022	1024	1022	1016	1021	1022	1022	985	
FEB	1020	1019	1019	1021	1019	1014	1019	1020	1019	1066	
MAR	1020	1020	1019	1019	1020	1019	1019	1020	1019	1176	
APR	1019	1020	1019	1019	1020	1021	1019	1019	1019	1128	
MAY	1020	1019	1019	1020	1021	1019	1020	1021	1020	1208	
JUN	1021	1020	1021	1021	1022	1017	1021	1022	1021	1076	
JUL	1022	1019	1020	1021	1021	1021	1021	1021	1021	884	
AUG	1020	1016	1019	1020	1020	1020	1020	1021	1020	943	
SEP	1020	1019	1019	1020	1021	1020	1019	1020	1020	1022	
DCT	1018	1018	1018	1018	1019	1016	1018	1018	1018	1197	
NOV	1018	1012	1017	1018	1019	1010	1018	1019	1018	876	
DEC	1022	1020	1022	1021	1022	1024	1021	1023	1022	1008	
ANN	1020	1019	1020	1020	1021	1018	1020	1021	1020	12569	
OBS	2392	89	2531	1063	2785	83	2576	1050			

PERCENTILES

MO	MIN	1*	5%	25%	50%	75%	95%	99%	MAX
JAN	996	998	1007	1017	1023	1027	1031	1034	1037
FEB	996	1000	1006	1014	1020	1025	1030	1033	1036
MAR	997	1001	1008	1015	1020	1024	1029	1031	1034
APR	997	1000	1009	1016	1020	1023	1027	1029	1034
MAY	1002	1008	1012	1018	1021	1023	1026	1027	1033
JUN	1006	1010	1016	1019	1021	1023	1026	1029	1031
JUL	1012	1015	1016	1020	1021	1023	1025	1027	1029
AUG	1012	1013	1015	1018	1020	1022	1024	1026	1029
SEP	1003	1009	1014	1018	1020	1022	1025	1027	1030
OCT	1000	1003	1008	1015	1019	1022	1025	1028	1032
NOV	996	998	1005	1014	1019	1023	1027	1030	1033
DEC	995	1001	1009	1018	1023	1026	1031	1033	1037

PERIOD: (PRIMARY) 1924-1973 (OVER-ALL) 1855-1973

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TABLE 1

AREA 0003 CASABLANCA SW 31.7N 13.1W

PERCENT	FREQUENCY	ME	WEATHER	BCCURRENCE	BY	WIND	DIRECTION

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	DTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR	FOG WD PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST BLWG SNOW	
N NE	1.0	2.0	.8	.0	.0	.0	.0	3.8	2.4	.2	1.3	.0	.1	.0	92.2
NE	.4	1.0	.5	.0	.0	.0	.0	1.8	1.9	.2	.5	.0	.3	.1	95.1
E	.2	.7	. 2	.0	.0	•0	.0	1.1	1.3	.5	1.3	.0	1.1	.0	94.7
SE	.5	.4	.5	.0	.0	.0	.0	1.3	2.0	. 1	.6	.0	.8	.9	94.2
S	3.5	2.0	1.3	.0	.0	.0	.0	6.6	2.7	1.5	1.0	.0	.5	.1	88.0
SW	1.8	2.4	2.3	.0	.0	•0	.0	6.3	4.7	1.9	.6	.0	.7	.0	85.9
W	1.5	1.8	1.3	.0	.0	.0	.0	4.7	2.2	2.1	.0	.0	.0	.0	91.0
NW	1.5	2.8	1.4	.0	.0	• 0	.0	5.7	2.0	.2	.7	.0	.3	.3	90.8
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	•0	.0	.0	.6	.0	1.3	.0	3.2	.0	94.9
TOT PCT	1.0	1.4	.9	.0	.0	•0	.0	3,3	2.3	.7	.8	.0	.6	.1	92.4

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			P	RECIPI	TATIO	TYPE					OTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST	THOR	FOG WO PCPN	PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	NO SIG WEA
00603 06609 12615 18621	1.5 .7 1.2	1.2 1.9 1.0 1.4	1.0 .6 1.0	.0	.0	•0	.0	2.7 4.4 2.2 3.5	1.9 2.5 2.2 2.2	1.2	.7 .9 .4 1.2	.0 .0 .0	.7 .4 .5	.1 .2 .1	92.9 90.3 94.4 91.3
TOT PCT	1.0	1.4	.9	.0	.0	•0	.0	3.2	2.2	.7	.8	.0	.5	•1	92.5

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WNO DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	FREQ	SPD	00	03	06	09	12	15	18	21
N NE	1.0	6.6	6.0	1.5	:1	•0		15.1	12.5	15.5	10.6	15.1	15.7		15.2	15.4	14.8
E	.7	6.7	4.6	.4	*	*		12.5	10.3	12.3	18.3	12.5	15.1	12.0			9.0
S	.6	3.6	3.3	.7	:1	.0		8.2	11.8	8.1	7.5	8.3	6.1	8.8	8.7	9.1	7.2
SW	.6	3.6	3.1	1.0	.1	:		8.3	12.2	8.0							7.1
NW	.6	3.5	2.7	.9	:1	.0		7.8	12.2	7.4	10.0	7.7	9.6	7.2	7.5	7.8	8.3
VAR	.0	.0	.0	.0	.0	.0		.0	.0	2.6	1.5						4.0
TUT OBS	851	4469	3965	831	78	4	10198		11.6	1976	130	1989	939	2133	146	1984	901
	NEE SE SW W WAR CALM	NE 1.0 E .7 SE .6 S .6 S .6 W .6 W .6 VAR .0 CALM 3.0 TUT 08S 851	NO DIR 0-3 4-10 NE 1.0 12.0 E .7 6.7 SE .6 4.8 S .6 3.6 SW .6 3.6 W .6 3.0 VAR .0 .0 CALM 3.0 TUT OBS 851 4469	NN 0 01R 0-3 4-10 11-21 N 1-7 6.6 6.0 NE 1.0 12.0 13.1 E .7 6.7 4.6 SE .6 4.8 3.6 S .6 3.6 3.3 SW .6 3.6 3.1 W .6 3.0 2.4 W .6 3.0 2.4 VAR .0 .0 .0 CALM 3.0 TUT 0BS 851 4469 3965	N	N 17 6.6 6.0 1.5 .2 N 10 10 10 10 10 10 10 10 10 10 10 10 10	N	NO DIR 0-3 4-10 11-21 22-33 34-47 48+ TOTAL DBS N	NO DIR 0-3 4-10 11-21 22-33 34-47 48+ TOTAL PCT DBS FREQ N	NNO DIR 0-3 4-10 11-21 22-33 34-47 48+ TOTAL PCT MEAN DBS FREQ SPD N	NO DIR 0-3 4-10 11-21 22-33 34-47 48+ TOTAL PCT MEAN D85 FREQ SPD 00 N	NO DIR 0-3 4-10 11-21 22-33 34-47 48+ TOTAL PCT MEAN D85 FREQ SPD 00 03 N 1.7 6.6 6.0 1.5 .2 .0 15.1 12.5 29.0 23.8 E 1.0 12.0 13.1 2.4 .1 * 28.7 12.5 29.0 23.8 E .7 6.7 4.6 .4 * 12.5 10.3 12.3 18.3 SE .6 4.8 3.6 .5 .1 * 9.5 10.8 12.3 18.3 SS .6 3.6 3.3 .7 .1 .0 8.2 11.8 8.1 7.5 SM .6 3.6 3.1 1.0 .1 * 8.3 12.2 8.0 8.7 M .6 3.0 2.4 .7 .1 * 6.8 11.9 6.9 6.2 NM .6 3.5 2.7 .9 .1 .0 7.8 12.2 7.4 10.0 VAR .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	NO DIR 0-3 4-10 11-21 22-33 34-47	NNO DIR 0-3 4-10 11-21 22-33 34-47	NO DIR 0-3 4-10 11-21 22-33 34-47 48+ TOTAL PCT MEAN DO 03 06 09 12 DE 05 PRED SPD 00 03 06 09 12 DE 05 PRED SPD 00 03 06 09 12 DE 05 PRED SPD 00 03 06 09 12 DE 05 PRED SPD 00 05 PRED SP	NO DIR 0-3 4-10 11-21 22-33 34-47	NO DIR 0-3 4-10 11-21 22-33 34-47

TABLE 3A

WND DIR	0-6	WIND 7-16	SPEED 17-27	(KNOTS) 28-40	41+	TOTAL OBS	PCT	MEAN SPD	00 03	HDUR 06 09	12 15	18
N NE	3.2	7.8	3.4	:6	:1		15.1	12.5	15.2	15.3	14.6	15.2
E	3.5	7.4	1.5	.1			12.5	10.3	12.7	13.3	12.0	12.0
SE	2.4	5.6	1.3	.1	*		9,5	10.8	9.4	9.2	10.7	9.2
S	2.1	4.1	1.8	.2	*		8.2	11.8	8.0	7.6	8.8	8.5
SW	2.2	3.8	2.0	.3			8.3	12.2	8.1	7.8	9.0	8.5
W	1.9	3.2	1.5	.3	*		6.8	11.9	6.9	6.3	7.2	6.9
NW	1.9	3.9	1.8	.3	.0		7.8	12.2	7.5	8.3	7.3	7.9
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	3.0						3.0	.0	3.5	3.5	2.1	2.8
TOT OBS	2547	5383	1962	284	22	10198		11.6	2106	2928	2279	2885
TOT PCT	25.0	52.8	19.2	2.8	.2		100.0		100.0	100.0	100.0	100.0

PERIOD: (PRIMARY) 1924-1973 (OVER-ALL) 1855-1973

TABLE 4

AREA 0003 CASABLANCA SW 31.7N 13.1W

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

				WIND	SPEED (KNUTS)			PCT	TOTAL
HOUR	CALM	1-3	4-10	11-21		34-47	48+	MEAN	FREQ	OBS
00603	3.5	5.1	46.2	37.1	7.5	.7	.0	11.2	100.0	2106
90300	3.5	5.5	45.0	37.4	7.8	.8		11.3	100.0	2928
12615	2.1	5.1	41.8	42.0	8.3	.7		11.9	100.0	2279
18621	2.8	5.7	42.4	39.2	8.9	.9	.1	11.8	100.0	2885
TOT	303	548	4469	3965	831	78	4	11.6		10198
DCT	2 0	. 4	43 .	38 0	8 1			100	100.0	

P	CT FRE			D DIREC		(EIGHTHS)							CEILIN NH <5/					
WND DJR	0-2	3-4	5-7	B & OBSCD	TOTAL	CLOUD COVER	000	150 299	300 599	600	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	
N	3.8	3.8	4.9	2.1		4.3		.0	.1	.5	2.1	1.7	.9	.2	.1	.1	8.9	
NE	8.0	6.2	9.5	4.7		4.3	.0		.2	1.0	4.5	4.0	1.8	.4	.1	. 1	16.4	
E	4.5	2.2	3.1	1,3		3.6		.0		.2	1.0	1.3	.4	.1		.1	7.8	
SE	3.9	1.5	3.1	1.8		4.0				.1	1.2	.7	.4	.1	.1	.3	7.3	
S	2.3	1.7	3.3	2,1		4.7			.1	.4	1.3	.7	.3	.2	.1	.3	6.0	
SW	2.7	2.2	3.6			4.5		.0	. 2	.5	1.0	.9	.4	.1	.0	.2	6.9	
*	2.0	1.7	1.8	.9		4.1	.0	.0		.3	. 8	.5	.1	.1	.1	.1	4.4	
NW	1.5	1.7	1.9	1.0		4.4	.0	.0	.0	.1	.8	. 6	.3	.1	*	.1	3.9	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	1.5	.4	.8	.5		3.4			.0		.2	.2	.1	.0	.1		2.5	
TOT OBS	1337	942	1418	710	4407	4.2	8	3	25	140	566	484	210	55	30	53	2833	4407
TOT PCT	30.3	21.4	32.2		100.0		.2	.1	.6	3.2	12.8	11.0	4.8	1.2	.7	1.2	64.3	100.0

TABLE 7

CUMULATIVE	PCT	FREQ	OF	SIMULTANED	US	DCCURRENCE
OF CC		TOUT	/ 816	A SEZAL AND	1 1/	CRY (NH)

				VSBY (NE	1)			
CEILING	- DR	. OR	. OR	= OR	· OR	· GR	■ DR	= DR
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
■ DR >6500	1.6	1.9	1.9	1.9	1.9	1.9	1.9	1.9
■ DR >5000	2.7	3.2	3.2	3.2	3.2	3.2	3.2	3.2
■ DR >3500	6.6	7.7	7.8	7.9	7.9	7.9	7.9	7.9
■ DR >2000	15.9	18.5	18.8	18.8	18.8	18.9	18.9	18.9
■ Ok >1000	27.0	31.0	31.5	31.5	31.6	31.6	31.6	31.6
■ DR >600	29.4	34.0	34.6	34.7	34.7	34.7	34.7	34.7
■ DR >300	29.8	34.4	35.0	35.2	35.3	35.3	35.3	35.3
- DR >150	29.8	34.5	35.1	35.3	35.3	35.3	35.3	35.3
- DR > 0	29.8	34.5	35.2	35.4	35.5	35.5	35.5	35.5
-0741	1220			1501	1504	1505	1505	1504

TOTAL NUMBER OF OBS: 4490 PCT FREQ NH C5/8: 64.5

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 OBSCD OBS 18.0 9.9 12.7 12.5 10.3 7.5 8.1 8.4 12.4 .2 4771

							JA	NUARY						
(PRIMARY) 1 (OVER-ALL) 1	924-1973 855-1973						TA	BLE 8				ARE	A 0003 CASA	BLANCA S
		P	ERCENT	FREO	OF WIN	D DIRE	CTION TH VAR	VS DCC	ALUES	E OR N	IBILI	URRENC	E OF	
VSBY (NM)		N	NE	E	SF	5	SW		NW	VAR	CALM	PCT	TOTAL	
<1/2	PCP ND PCP	.0	.0	:0	.0	.0	.0	.0	.0	.0	•0	:		
	TOT %	.0	.0	.0	.0				.0	.0		•		
	PCP	.0	.0	.0	.0	:1		.0		.0	.0	.1		
1/2<1	NO PCP	.0	.0	.0	:	.1	:1	.0	.0	.0	.0	.1		
	TOT %	.0	.0	.0		.1	.1	.0	•	.0	.0	• 2		
	PCP	.0		.0			.1	.0	.0	.0	.0	-1		
1<2	NO PCP	.0	.0			.1	.1	.0	*	.0	.0	.1		
	TOT %	.0				.1	.1	.0	•	.0	.0	.2		
	PCP					.1	.1		.1	.0	.0	.4		
2<5	NO PCP	.1	.1	.1	.2	.1	.1	.1	.1	.0	*	1.0		
	TOT %	.1	.2	.1	•2	.3	.3	.1	.1	.0	*	1.4		
	PCP	.3	.3	.1	.1	.3	.4	.1	.2	.0	.0	1.6		
5<10	NO PCP	1.9	3.1	1.6	1.7	1.5	1.4	.9		.0	.5	13.4		
	TOT %	2.2	3.4	1.6	1.8	1.8	1.8	1.1	1.0	•0	.5	15.1		
	PCP	.2	.2	9:2		7:6	7:7	5:3	.1	.0	.0	1.1		
10+	NO PCP	12.2	23.8	9.2	8.6	7.6	7.7	5.3	5.1	.0	2.4	82.0		
	TOT \$	12.5	24.0	9.3	8.6	7.8	7.8	5.5	5.2	•0	2.4	83.1		
	TOT OBS												5339	
	TOT PCT	14.7	27.6	11.1	10.6	10.0	10.0	6.6	6.4	.0	3.0	100.0		

				PERCEN	WITH V						ED		
VSBY (NM)	SPD KTS	N	NE	E	SE	5	SW	W	NW	VAR	CALM	PCT	TOTAL
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0		*	
<1/2	4-10	*		.0	.0	.0	.0	*	.0	.0			
	11-21	.0	.0	.0	.0	.0	*	.0	.0	.0			
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %		*	.0	.0	.0	*		.0	.0		.1	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	4-10	.0	.0	0	.0	*	*	.0	*	.0			
	11-21	.0	.0	.0	.0				.0	.0		.1	
	22+	.0	.0	.0		.1	*		.0	.0		.1	
	TOT %	.0	.0	.0		.1	.1			.0	.0	.2	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	4-10	.0	*	*	.0	.0		.0	.0	.0			
	11-21	.0	*	*		*		.0		.0		.1	
	22+	.0	.0	.0		*	.0	.0	.0	.0			
	TOT %	•0	*	*		*	.1	.0		.0	.0	.2	
	0-3	.0	.0			.0		.0	.0	.0			
2<5	4-10	.1	.1	.1			.1		.1	.0		.4	
	11-21	.1	.1	.1	.1	.1	.1	.1	.1	.0		.7	
	22+				.1	.1				.0		.3	
	TOT %	•1	.2	.1	•2	.2	•2	.2	.1	.0		1.5	
	0-3	.1	.2	.1		.1	.1	.1	.1	.0	.5		
5<10	4-10	.7	1.1	.7	.7	.4	.6	.3	.4	.0		4.9	
	11-21	.9	1.6	.5	.5	.7	.7	.5	.4	.0		5.7	
	22+	.3	.3	.1	.2	.3	.4	.2	.2	.0		2.1	
	TOT %	2.0	3.2	1.4	1.4	1.5	1.8	1.1	1.0	.0	.5	13.7	
	0-3	.4	.7	.5	.6	.4	.5	.4	.3	.0	2.5	6.4	
10+	4-10	5.8	10.8	6.1	4.2	3.4	3.4	2.6	2.8	.0		39.1	
	11-21	5.0	11.8	3.8	3.3	3.0	2.8	2.0	1.8	.0		33.6	
	22+	1.2	1.5	.3	.4	.4	.6	.6	.4	.0		5.3	
	TOT %	12.4	24.9	10.8	8.5	7.2	7.4	5.6	5.3	.0	2.5	84.4	
	OT OBS												7502
T	OT PCT	14.5	28.3	12.3	10.1	9.0	9.5	6.8	6.5	.0	3.1	100.0	

PERIOD: (PRIMARY) 1924-1973 (DVER-ALL) 1855-1973

TABLE 10

AREA 0003 CASABLANCA SW 31.7N 13.1W

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND

HOUR (GMT)	000	150 299	300 599	600	1000	2000 3499	3500 4999	5000	6500	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL
60300	.0	.0	.6	3.1	11.7	9.0	3.9	.7	.7	.7	30.6	69.4	1091
06609	.4	.1	.4	3.7	13.1	10.8	3.8	1.9	.1	1.3	35.5	64.5	1101
12615	.2	.1	.4	3.0	12.4	11.6	5.4	1.4	.7	1.5	36.6	63.4	1289
18621	.3	.1	.8	2.4	12.4	11.4	5.1	.9	1.1	1.2	35.7	64.3	1157
TOT	9	3	25	142	576	498	214	57	31	55	1610	3028	4638

TABLE 11

TABLE 12

		PERCENT	FREQUEN	CY VSBY	(NM)	BY HOUR		CUMULAT	CEILIN	FREQ G HGT	OF RAN	GES OF NH >4/8	VSBY (NM)),8Y HOUR	AND/OR
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL
00603	.1	.2	.2	1.9	13.7	83.9	1699	E0300	.0	1.0	6.1	26.7	67.2	1042
90360	.1	.2		1.6	15.7	82.2	2066	90300	.4	1.0	6.0	31.4	62.6	1057
12615	.0	.1	.1	1.2	10.9	87.7	1850	12615	•2	.6	4.5	33.3	62.2	1260
18621	.1	.3	.3	1.2	14.2	83.9	2044	18621	.3	1.2	5.0	32.0	63.0	1131
TOT PCT	6	16	14	112	1049	6462 84.4	7659 100.0	TOT PCT	9	42	241 5.4	1391	2858 63.7	4490

TABLE 13

TABLE 14

	PERCI	ENT FR	EQUENC	Y OF R	ELATIV	E HUMI	DITY B	Y TEMP				PERC	ENT FR	EQUENC	Y OF W	IND DI	RECTIO	N BY T	EMP	
						-			TOTAL	PCT										
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	OBS	FREQ	N	NE	E	SE	S	SW	W	NW	VAR	CALM
75/79	.0	.0	.0		.2	.1	.0	.0	12	.3	.0	.0	*	.1	*	.1	*	*	.0	.0
70/74		.0	*	.1	.5	.6	.2	.1	66	1.5	.1	.3	.1	.2	.2	.2	.2	.2	.0	.1
65/69	.0	.0	*	.8	4.4	9.3	8.6	3.1	1119	26.3	1.4	3.1	2.8	5.2	4.9	4.7	2.2	1.4	.0	.6
60/64	.0	.0	.1	2.3	12.0	22.7	16.8	6.8	2586	60.7	10.1	20.3	7.4	5.2	4.4	4.8	3.4	3.6	.0	1.5
55/59	.0	.0		.6	2.9	3.8	2.2	1.0	449	10.5	2.9	4.0	1.0	.4	.4	.4	. 5	.7	.0	.3
50/54	.0	.0	.0	*	.2	.1	.1	.1	25	.6	.3	.2	*	*	*	*		.0	.0	.0
45/49	.0	.0	.0	.0	.0	.0		.0	2	*	.0	*	.0	.0	.0	.0	.0	.0	.0	.0
40/44	.0	.0	.0	.0	.0	.0	*	.0	1	*	.0	.0		.0	.0	.0	.0	.0	.0	.0
TOTAL	1	0	9	164	858	1562	1193	473	4260	100.0										
PCT		.0	.2	3.8	20.1	36.7	28.0	11.1			14.8	27.9	11.4	11.0	9.9	10.2	6.3	5.9	.0	2.6

TABLE 15

MEANS,	EXTREM	ES AND	PERCEN	TILES	OF TE	MP (DE	G F) P	Y HOUR		PERC	ENT FRE	QUENCY	OF RELA	TIVE H	UMIDITY	BY HOUR	
MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL	HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
77	68	06	62	57	54	46	61.9	2140	60300	.0	2.9	15.7	37.4	31.4	12.6	78	1030
73	68	66	62	57	54	43	61.5	2951	90300	.0	2.9	16.4	35.5	31.6	13.6	78	1098
77	73	69	64	59	55	50	64.1	2257	12615	.0	6.7	25.2	36.4	22.7	9.1	75	1149
78	71	68	63	58	55	49	62.9	2871	18621	.1	3.6	22.3	37.5	27.0	9.5	76	1093
78	70	68	63	58	55	43	62.5	10219	TOT	1	178	875	1603	1226	487	77	4370
	MAX 3 77 7 73 5 77 1 78	MAX 99% 3 77 68 9 73 68 5 77 73 1 78 71	MAX 99% 95% 3 77 68 66 9 73 68 66 5 77 73 69 1 78 71 68	MAX 99% 95% 50% 97 68 66 62 97 73 68 66 62 77 73 69 64 1 78 71 68 63	MAX 99% 95% 50% 5% 3 77 68 66 62 57 7 73 68 66 62 57 5 77 73 69 64 59 1 78 71 68 63 58	MEANS, EXTREMES AND PERCENTILES OF TE MAX 99% 95% 50% 5% 1% 3 77 68 66 62 57 54 9 73 68 66 62 57 54 9 77 73 69 64 59 55 1 78 71 68 63 58 55	MAX 99% 95% 50% 5% 1% MIN 1 77 68 66 62 57 54 46 1 77 73 68 66 62 57 54 43 1 77 73 69 64 59 55 50 1 78 71 68 63 58 55 49	MAX 99% 95% 50% 5% 1% MIN HEAN 3 77 68 66 62 57 54 46 61.9 7 73 68 66 62 57 54 43 61.5 7 7 73 69 64 59 55 50 64.1 7 8 71 68 63 58 55 49 6.9	MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR MAX 99% 95% 50% 5% 1% MIN MEAN TOTAL 0BS 077 68 66 62 57 54 46 61.9 2140 077 73 68 66 62 57 54 43 61.5 2951 077 73 69 64 59 55 50 64.1 2257 078 71 68 63 58 55 49 62.9 2871	MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) RY HOUR MAX 99% 95% 50% 5% 1% MIN HEAN TOTAL (GMT) 3 77 68 66 62 57 54 46 61.9 2140 006109 7 73 68 66 62 57 54 43 61.5 2951 006109 7 73 68 66 75 75 75 75 75 75 75 75 77 75 77 75 77 75 75	MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR MAX 99% 95% 50% 5% 1% MIN MEAN TOTAL (GHT) 3 77 68 66 62 57 54 46 61.9 2140 00603 .0 9 73 68 66 62 57 54 43 61.5 2951 06609 .0 9 73 68 66 75 75 75 75 75 75 75 75 75 75 75 75 75	MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR PERCENT FRE MAX 99% 95% 50% 5% 1% MIN MEAN TOTAL (MUR 0-29 30-59) 3 77 68 66 62 57 54 46 61.9 2240 00003 .0 2.9 7 73 68 66 62 57 54 43 61.5 2951 00609 .0 2.9 7 73 69 64 59 55 50 64.1 2287 12815 .0 6.7 1 78 71 68 63 58 55 49 62.9 2871 18621 .1 3.6	MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR PERCENT FREQUENCY MAX 99% 95% 50% 5% 1% MIN MEAN TOTAL OBS (GHT) 3 77 68 66 62 57 54 46 61.9 2140 00603 .0 2.9 15.7 7 73 68 66 62 57 54 43 61.5 2951 06609 .0 2.9 16.4 7 7 73 69 64 59 55 50 64.1 2257 12615 .0 6.7 25.2 1 78 71 68 63 58 55 49 62.9 2871 18621 .1 3.6 22.3	MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR MAX 99% 95% 50% 5% 1% MIN MEAN TOTAL MAX 99% 95% 50% 5% 1% MIN MEAN TOTAL DBS (GHT) 73 68 66 62 57 54 46 61.9 2140 00603 .0 2.9 15.7 37.4 74 73 68 66 62 57 54 43 61.5 2951 06609 .0 2.9 16.4 35.5 77 73 69 64 59 55 50 64.1 2257 12615 .0 6.7 25.2 36.4 1 78 71 68 63 58 58 5 49 62.9 2871 18621 .1 3.6 22.3 37.5	MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR MAX 99% 95% 50% 5% 1% MIN MEAN TOTAL 1 HOUR 0-29 30-59 60-69 70-79 80-89 1 77 68 66 62 57 54 46 61.9 2140 00603 .0 2.9 15.7 37.4 31.4 2 73 68 66 62 57 54 43 61.5 2951 06609 .0 2.9 16.4 35.5 31.6 3 77 73 69 64 59 55 50 64.1 2257 12615 .0 6.7 25.2 36.4 22.7 1 78 71 68 63 58 58 58 49 62.9 2871 18621 .1 3.6 22.3 37.5 27.0	MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR PERCENT FREQUENCY OF RELATIVE HUMIDITY MAX 99% 95% 50% 5% 1% MIN MEAN TOTAL DBS (GMT) 77 68 66 62 57 54 46 61.9 2140 00603 .0 2.9 15.7 37.4 31.4 12.6 78 68 66 62 57 54 43 61.5 2951 00609 .0 2.9 16.4 35.5 31.6 13.6 78 79 69 64 59 55 50 64.1 2257 1 78 71 68 63 58 58 58 49 62.9 2871 1 8621 .1 3.6 22.3 37.5 27.0 9.5	MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR MAX 99% 95% 50% 5% 1% MIN HEAN TOTAL OBS (GHT) 77 68 66 62 57 54 46 61.9 2140 00609 .0 2.9 15.7 37.4 31.4 12.6 78 78 79 68 66 62 57 54 43 61.5 2951 00609 .0 2.9 16.4 35.5 31.6 13.6 78 78 79 68 66 62 57 54 43 61.5 2951 00609 .0 2.9 16.4 35.5 31.6 13.6 78 78 79 79 69 64 59 55 50 64.1 2257 12615 .0 6.7 25.2 36.4 22.7 9.1 75 78 71 68 63 58 58 58 49 62.9 2871 18621 .1 3.6 22.3 37.5 27.0 9.5 76

PERIOD: (PRIMARY) 1924-1973 (OVER-ALL) 1855-1973

TABLE 17

AREA 0003 CASABLANCA SW 31.7N 13.1W

4689

4931

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F) 45 53 56 57 60 68 69 72 73 76 TOT 52 FOG FOG 56 60 64 68

.0 .0 * .1
.0 .0 .2 .2
.0 .0 * .3
* .0 .3 .7
.0 .0 .4 1.2
* .1 .5 2.2
.0 .1 1.9 3.9
.0 .2 3.8 5.6
.0 .5 9.1 5.6
.0 .1 3110.7 1.5
.1 4.0 5.9 .6
.1 3.4 3.4 .2
.2 2.6 1.8 .1
.2 1.3 .6 * .6
.6 1.4 .5 .1
.4 .5 .9 .6
.6 1.4 .5 .1
.4 .5 .1
.4 .5 .1
.4 .5 .1
.4 .5 .1
.5 .2 .2
.6 1.8 .1
.7 18.6 50.3 26.2 11/13 9/10 7/8 6 5 4 3 2 1 0 0 -1 -2 -3 -4 -5 -6 -7/-8 -9/-10 11/-13 -14/-16 -17/-19 -20/-22 .4 .8 1.7 2.2 3.1 6.2 9.5 15.2 10.6 7.0 7.0 4.7 2.2 2.5 .9 3 .1 18 18 39 22 82 108 156 307 4757 7794 753 527 233 107 123 45 123

PERIUD: (OVER-ALL) 1963-1973

HGT 1-3 4-10 11-21 22-33 34-47 48+ PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT 1-2 12 1 1 1 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0					PC	T FREQ	DF WIND	SPEED	(KTS)	AND DIRE	CTION	ERSUS S	EA HEIG	HTS (FT	1	
\$\frac{1}{1-2} & \frac{1}{2} & \frac{1}{3} &																
1-2	HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT
3-4	<1	.1	1.0		.0	.0	.0			.4	1.0	.3		.0	.0	
5-6										.2						
7						.0				*	2.6					
10-11 .0				1.9						.0	.5					
10-11								1.3								
13-16																.9
13-16			.0					.3								
17-19																
20-22																
23-25																.0
26-32								.0								
\$\frac{33-40}{41-48} \cdot 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0								.0							.0	
41-48 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0								.0								.0
#9-60 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0								.0								
61-70																.0
71-86																
** TOT PCT .3 5.9 5.7 1.3 * .0 10 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0																
TOT PCT .3 5.9 5.7 1.3																
HGT 1-3 4-10 11-21 E 2-33 34-47 48+ PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT (1 .2 1.1 .1 .0 .0 .0 .0 1.4 .3 .8 .1 .0 .0 .0 .0 1.1 1-2 .1 3.6 1.2 .0 .0 .0 .5.0 .1 22.5 .8 .0 .0 .0 .0 3.4 3-4 4.0 1.5 2.0 .1 .0 .0 3.7 .0 11.1 1.9 * .0 .0 3.1 5-6 .0 .4 1.0 .1 .0 .1 .0 .0 1.5 .0 .1 1.1 1.9 * .0 .0 3.1 5-6 .0 .4 1.0 .1 .0 .0 .0 1.5 .0 .3 1.8 .4 .0 .0 .0 2.5 7 .0 .0 .2 .0 .0 .0 .0 .0 1.1 1.0 .0 .0 1.5 .0 .3 1.8 .4 .0 .0 .0 2.5 7 .0 .0 .0 .0 .0 .0 .0 .1 1.0 .0 .0 1.5 .0 .0 .3 1.8 .4 .0 .0 .0 2.5 1.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .	87+		0	0		.0	.0	0			.0				.0	.0
\$\begin{array}{cccccccccccccccccccccccccccccccccccc	101 701	.,	2,9	>./	1.3		.0	15.5		.0	7.9	13.0	2.0		.0	20.3
\$\begin{array}{cccccccccccccccccccccccccccccccccccc					E								SE			
1-2																
3-4				.1								.1				
5-6 0 .4 1.0 1 0 .0 1.5 0 .0 .3 1.8 .4 .0 .0 2.5 7 7 .0 .0 .2 .0 .0 .0 1.5 .0 .0 1.5 .0 .0 .3 1.8 .4 .0 .0 .0 2.5 7 8-9 .0 .0 .1 1.0 .0 .0 .1 1.0 .0 .0 .1 1.0 .0 .0 .7 8-9 .0 .0 .1 1.0 .0 .0 .0 .1 1.0 .0 .0 .0 .1 1.0 .0 .0 .1 1.0 .0 .0 .1 1.0 .0 .1 1.0 .0 .1 1.0 .0 .0 .1 1.0 .0 .1 1.0 .0 .1 1.0 .0 .0 .1 1.0 .1 1.0 .0 .0 .0 .0 .0 .1 .0 .1 1.0 .1 1.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .																
7								3.7				1.9				
8-9							.0					1.6				
10-11																
122 0 0 0 0 1		.0		•1			.0									• 2
13-16																
17-19	12	.0	.0					• 1								
20-22																
23-25								.0								
26-32								.0								.0
33-40								.0								
41-48								.0								
49-60								.0								
61-70 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0								.0								.0
71-86 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0								.0								
87+ .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0								.0								
								.0								
	TOT PCT		4.7					12.0						.0		11.3

PERIOD:	Inve	0-4111	1943-1	073					JANUARY				4054	0003	CASABLA	NCA SH
FERTOU.	1012		1703-	.,,,				TABLE	18 (CON	T)			AREA	31.		.14
				PC	T FREQ	OF WIND	SPEED	(KTS)	AND DIR	ECTION	VERSUS	SEA HEIG	HTS (FT	,		
				s								SW				
HGT	1-3	4-10	11-21	22-33	34-47	49+	PCT		1-3			22-33	34-47	48+	PCT	
<1	.2	1.1	.0	.0	.0	.0	1.2		.4			.0	.0	.0	1.2	
3-4	.2	2.1	2.1	.0	.0	.0	3.0		.2			.0	.0	.0	2.8	
5-6	.0	.2	1.7	.2	.0	.0	2.1		.0			.3	.0	.0	2.0	
7	.0	.1	.6	:4	.0	.0	1.0		.0			.5	.0	.0	1.1	
8-9	.0	.0	.2	.1	.0	.0	.3		.0			.2	.0	.0	.3	
10-11	.0		.1	.3	.0	.0	.4		.0			.3	.0	.0	.3	
12	.0	.0		.1	.0	.0	.1		.0				.0	.0	.0	
13-16	.0	.0	.0		.0	.0			.0			.1		.0	.2	
17-19	.0	.0			.0	.0	.1		.0				.0	.0		
20-22	.0	.0	.0	.0	.0	.0	.0		.0			.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0		.0				.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0		.0	. (.0		.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.(.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0		.0			.0	.0	.0	.0	
TOT PCT	.4	4.0	5.5	1.2	.0	.0	11.1		.6	3.9	4.3	1.6	•	.0	10.4	
				w								NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.1	.6	.1	.0	.0	.0	7		.2			.0	.0	.0	.7	
1-2	.0	1.2	.7	.0	.0	.0	1.9		.1			.0	.0	.0	2.5	
3-4		.5	1.0	.2	.0	.0	1.7		.0				.0	.0	1.5	
5-6	.0	.1	.7	.1	.0	.0	.9		.0				.0	.0	.4	
7	.0		.4	.2	.0	.0	.6		.0				.0	.0	.1	
8-9	.0	.0		.1		.0	.2		.0			.1	.0	.0	.1	
10-11	.0	.0	.0	.0	.0	.0	.0		.0			.0	.0	.0	*	
12	.0	.0	.0	.0	•0	.0	.0		.0				.0	•0	.0	
13-16	.0	.0	.0	.1	.0	.0	.2		.0			.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0		.0			.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0		.0			.0	.0	.0	.0	
26-32	.0	.0	.0	.0		.0	.0		.0			.0	.0		.0	
33-40	.0	.0	.0	.0	.0	.0	.0		.0			.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0		.0			.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0		.0			.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0		.0			.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0		.0			.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0		.0			.0	.0	.0	.0	
TOT PCT	.1	2.4	2.9	.7		.0	6.1		.3			.1	.0	.0	5.4	96.0
									.,							

	WIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	6.4	6.9	.5	.0	.0	.0	13.9	003
1-2	1.3	22.2	7.5	.0	.0	.0	31.0	
3-4	•2	8.8	16.7	.9	.0	.0	26.7	
5-6	•0	2.1	12.6	2.2	.0	.0	17.0	
7	•0	.3	4.1	1.9	.0	.0	6.4	
8-9	.0		1.2	1.1	.2	.0	2.5	
10-11	•0	.1	.3	1.2	*	.0	1.6	
12	•0	.0	*	.2	.1	.0	.4	
13-16	.0	.0	.1	.3	*	.0	.5	
17-19	.0	.0		.1	.0	.0	.1	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	•0	.0	.0	.0	.0	.0	.0	
26-32	•0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	•0	.0	.0	.0	.0	.0	.0	
49-60	•0	.0	.0	.0	.0	.0	.0	
61-70	•0	.0	.0	.0	.0	.0	.0	
71-86	•0	.0	.0	.0	.0	.0	.0	
87+	•0	.0	.0	.0	.0	.0	.0	
								2824
TOT PCT	8.0	40.5	43.2	8.0	.4	.0	100.0	

FEBRUARY

PERIOD: (PRIMARY) 1924-1973 AREA 0003 CASABLANCA SW
(QVER-ALL) 1855-1973 TABLE 1 31.7N 13.1W

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

PRECIPITATION TYPE OTHER WEATHER PHENOMENA

0

			P	RECIPI	TATIO	TYPE					OTHER	WEATHER	PHENG	MENA	
WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	
N NE	.9	2.2	1.2	.0	.0	•0	.0	4.3	1.7	1.4	:3	.0	.0	.1	92.6
E SE	3.5	1.5	.6	.0	.0	•0	.0	2.6	1.1	3.0	1.3	.0	1.9	.0	94.6
SW	3.2	2.2	1.3	.0	.0	.0	.0	6.5	5.1	4.6	.6	.0	.5	.2	83.1
NW W	2.5	3.6	1.2	.0	.0	•0	:1	5.6	3.8	2.0	.2	.0	.9	.0	87.6
CALM	1.7	.9	.0	.0	.0	•0	.0	2.6	1.7	.0	.0	.0	3.4	.0	92.3
TOT PCT	1.8	2.0	1.0	.0	.0	•0	•	4.8	3.1	1.5	.4	.0	.5	.1	90.0

TABLE 2 PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR PRECIPITATION TYPE OTHER WEATHER PHENOMENA FRZG SNOW OTHER HAIL PCPN AT PCPN PAST PCPN FRZN OB TIME HOUR PCPN FOG FOG WO SMOKE SPRAY
WO PCPN HAZE BLWG DUST
PCPN PAST HR BLWG SNOW RAIN RAIN DRZL SHWR 4.8 6.5 4.5 3.9 .0 .1 .1 .1 •0 00603 06609 12615 18621 1.5 2.6 1.8 2.0 .0 .0 .1 .0 .0 2.6 3.5 3.1 3.1 .9 TOT PCT 2.0 TOT OBS: 5277 .0 89.8 2.0 1.0

TABLE 3 PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR WIND SPEED (KNOTS) 0-3 4-10 11-21 22-33 34-47 HDUR (GMT) 09 12 WND DIR 48+ TOTAL PCT DBS FREQ MEAN 00 03 06 15 18 18.3 19.0 16.6 18.9 16.1 12.5 24.9 12.3 25.0 30.1 25.4 14.9 8.4 8.6 8.8 11.8 9.6 8.9 4.4 3.9 4.3 3.2 3.8 5.8 7.5 8.8 7.6 4.0 7.1 10.7 12.2 17.2 13.0 7.8 15.6 11.9 11.1 12.9 11.6 10.3 10.2 23.8 10.7 12.1 10.4 12.3 10.3 7.5 0.0 0.0 0.0 0.0 12.5 5.2 2.6 1.5 1.8 4.0 1856 116 1818 855 1996 124 100.0 100.0 100.0 100.0 100.0 N NE E SE S W NW VAR CALM TOT OBS 7.3 12.2 3.4 1.2 2.9 5.5 4.3 3.9 7.8 9.3 4.6 2.2 2.6 4.8 4.6 5.1 17.6 25.3 9.0 4.1 6.8 12.9 11.2 10.9 .8 1.0 .6 .4 .6 .5 .5 .0 2.1 676 7.1 .00.00 12.2 13.1 10.8 9.9 12.5 13.7 13.4 12.2 .0 1.6 2.8 .5 .6 1.9 1.5 .1 .0 .1 .2 .3 .1 .0 3892 3845 976 41.0 40.5 10.3 96 \$ 9487 100.0

FF	80	 DV	۰

PERIOD: (PRIMARY) 1924-1973 (OVER-ALL) 1855-1973

TABLE .

AREA 0003 CASABLANCA SW 31.7N 13.1W

PERCENTAGE	FREQUENCY	DF WIND	SPEED	BY	HOUR	(GMT)

				WIND	SPEED (KNOTS)			PCT	TOTAL
HOUR	CALM	1-3	4-10	11-21	22-33	34-47	48+	MEAN	FREQ	OBS
60300	2.7	5.0	42.5	39.0	9.7	1.1	.0	12.0	100.0	1972
90300	2.3	5.1	43.5	39.2	8.8	1.0		11.9	100.0	2673
12615	1.9	5.1	36.9	43.6	11.6	.9		12.8	100.0	2120
18621	1.6	4.9	40.7	40.5	11.2	1.1	.0	12.5	100.0	2722
TOT	199	477	3892	3845	976	96	2	12.3		9487
PCT	2.1	5.0	41.0	40.5	10.3	1.0			100.0	

TARIE

9	CT FRE			LOUD A		(EIGHTHS)		1					CEILIN NH <5/					
WND DIR	0-2	3-4	5-7	8 E 085cD	TOTAL	CLOUD COVER	000	150	300 599	600	1000	2000	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL
N	4.5	4.2	4.9	1.3		3.9		.0		.6	1.1	1.5	.8	.3			10.4	
NE	5.6	4.0	6.5	1.7		4.0				.7	2.2	1.8	1.2	.2			11.6	
ε	2.7	1.5	2.4	1.0		3.9	.0			.1	. 8	.6	.3	.2	.1	.1	5.4	
SE	1.4	.6	1.1	. 8		4.2		.0		.2	.5	.3	.1	.1			2.6	
S	2.5	1.7	3.5	2.4		4.8		.0	.1	. 8	1.7	1.0	.3	.1		.2	5.8	
SW	4.4	3.6	6.7	4.2		4.9	.1		.3	1.4	2.3	1.9	.7	.3	.3	.4	11.1	
	3.5	3.9	4.4	2.2		4.3	.1	.0		.7	1.6	1.1	.5	.1	.1	.2	9.4	
NW	3.2	3.4	2.9	.9		3.8	.0	.0	.1	.3	1.0	.8	.3	*		.1	7.9	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	1.0	.4	.8	.3		3.8	.0	.0	.0		.2	.3	.1	.0	.1		1.7	
TOT DBS	1180	958	1360	608	4106	4.3	10	3	26	199	466	388	180	52	29	49	2704	4106
TOT PCT	28.7	23.3	33.1	14.8	100.0		.2	.1	.6	4.8	11.3	9.4	4.4	1.3	.7	1.2	65.9	100.0

TABLE T

CUMULATIVE PCT FREQ	OF SIMULTANEOUS OCCURRENC	E
OF CEILING HEIGHT	(NH \$4/8) AND VSBY (NM)	

					VSBY (NH	1)			
C	EILING	■ DR	- DR	■ DR	. DR	■ DR	· DR	• DR	- DR
		>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
OR	>6500	1.3	1.7	1.8	1.8	1.8	1.8	1.8	1.8
DR	>5000	2.5	3.0	3.1	3.1	3.1	3.1	3.1	3.1
OR	>3500	6.0	7.2	7.3	7.4	7.4	7.4	7.4	7.4
DR	>2000	13.3		16.8	16.8	16.9	16.9	16.9	16.9
OR	>1000	21.8	27.0	28.0	28.1	28.1	28.1	28.1	28.1
		24.8	31.6	32.8	33.0	33.0	33.0	33.0	33.0
DR	>300	25.1	32.1	33.4	33.6	33.6	33.6	33.6	33.6
		25.1		33.5	33.7	33.7	33.7	33.7	33.7
OR	> 0	25.2		33.7	33.9	34.0	34.0	34.0	34.0
	TOTAL	1056	1355	1416	1424	1427	1427	1427	1427
	OR OR OR OR OR OR	CEILING (FEET) OR >6500 OR >5000 OR >2000 OR >1000 OR >600 OR >300 OR >150 OR > 0	(FEET) >10 UR >6500 1.3 UR >5000 2.5 UR >3500 6.0 UR >2000 13.3 UR >1000 21.8 UR >600 24.8 UR >300 25.1 UR >150 25.1 UR >150 25.2	(FEET) >10 >5 OR >6500 1.3 1.7 OR >5000 2.5 3.0 OR >3500 6.0 7.2 OR >2000 13.3 16.3 OR >10.0 21.8 27.0 OR >600 24.8 31.6 OR >300 25.1 32.1 OR >150 25.1 32.2 OR > 0 25.2 32.3	(FÉET) >10 >5 >2 OR >6500 1.3 1.7 1.8 OR >5000 2.5 3.0 3.1 OR >35000 6.0 7.2 7.3 OR >2000 13.3 16.3 16.3 OR >1000 21.8 27.0 28.0 OR >000 24.8 31.6 32.8 OR >300 25.1 32.1 33.4 OR >150 25.1 32.2 33.5 OR > 0 25.2 32.3 33.5	CELING (FEET) OR >10 OR >5 OR >2 OR >2 OR >1 DR >6500 1.3 1.7 1.8 1.8 DR >55000 2.5 3.0 3.1 3.1 DR >3500 6.0 7.2 7.3 7.4 DR >2000 13.3 16.3 16.8 16.8 DR >1000 21.8 27.0 28.0 28.1 DR >600 24.8 31.6 32.8 33.0 DR >300 25.1 32.1 33.4 33.6 DR >150 25.1 32.2 33.5 33.7 DR > 0 25.2 32.3 33.7 33.9	(FÉET) >10 >5 >2 >1 >1/2 OR >6500 1.3 1.7 1.8 1.8 1.8 1.8 OR >5000 2.5 3.0 3.1 3.1 3.1 3.1 OR >3500 6.0 7.2 7.3 7.4 7.4 OR >2000 13.3 16.3 16.8 16.8 16.9 OR >1000 21.8 27.0 28.0 28.1 28.1 OR >600 24.8 31.6 32.8 33.0 33.0 OR >300 25.1 32.2 33.5 33.7 33.7 OR > 0 25.2 32.3 33.5 33.7 33.7 OR > 0 25.2 32.3 33.5 33.7 33.7	CELLING OR OR OR OR OR OR OR (FEET) >10 >5 >2 >1 >1/2 >1/2 DR >5000 1.3 1.7 1.8 1.8 1.8 1.8 DR >5000 2.5 3.0 3.1 3.1 3.1 3.1 3.1 DR >3500 6.0 7.2 7.3 7.4 7.4 7.4 7.4 DR >2000 13.3 16.3 16.8 16.9 16.9 16.9 16.9 16.9 16.9 18.9 02.0 28.1 28.1 28.1 28.1 28.1 28.1 28.1 28.1 28.1 28.1 28.1 28.1 28.1 28.1 28.1 28.1 28.1 28.1 28.1 28.1 28.1 28.1 28.1 28.1 28.1 28.1 28.1 28.1 28.1 28.1 28.1 28.1 28.1 28.1 28.1 28.1 28.1 28.1 28.1 28.1 28.1 28.1 28.1 28.1 28.1 28.1 28.1 28.1 28.1 28.1 28.1 28.1 28.1 28.1 28.1 28.1 28.1	CELING - DR <

TOTAL NUMBER OF OBS: 4198

PCT FREQ NH <5/8: 66.0

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	OBS
13.2	11.6	15.7	14.0	10.9	7.0	8.0	8.2	11.3	.2	4526

£	=	R	0	114	0	v

ERIOD: (PRIMA		924-1973 855-1973						TA	BLE B				ARE		CASABLANCA :
			P	ERCENT						URRENCE ALUES			CURRENC	E OF	
	VSBY (NM)		N	NE	ε	SF	s	SW	W	NW	VAR	CALM	FCT	TOTAL	
		PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	<1/2	NO PCP		.0	.0	.0	.0	.0	.0		.0	.0			
		TOT &		.0	.0	.0	.0	.0	.0		.0	.0			
		PCP	.0			.0	.0	.0	.0	.0	.0	.0			
	1/2<1	NO PCP	.0					.0			.0	.0	.2		
		TOT %	.0		.1			.0			.0	.0	.2		
		PCP	.0	.0	.0						.0		-1		
	1<2	NO PCP	.0	*		.0			.0		.0	.0	.1		
		TOT %	.0				.1				.0	*	.2		
		PCP				1	. 2	.1	.1	.0	.0		.6		
	2<5	NO PCP	.1	.1	.1	.1	.1	.4	.2		.0		1.2		
		TOT %	.1	. 2	.1	.1	.3	.5	.2		.0		1.8		
		PCP	.2	.3	.1	.1	.3	.6	.3	.4	.0	.0	2.3		
	5<10	NO PCP	2.2	2.8	1.3	.9	2.0	2.8	2.1	1.5	.0	.4	16.0		
		TOT %	2.4	3.0	1.4	1.0	2.3	3.5	2.4	1.9	.0	.4	18.3		
		PCP	.4	.2		.1	.1	.4	.3	.2	.0		1.8		
	10+	NO PCP	12.3	15.2	6.0	2.8	6.9	13.3	10.7	8.7	.0	1.9	77.7		
		TOT %	12.7	15.4	6.1	2.9	7.0	13.9	11.0	9.0	.0	1.9	79.5		
		Tat ass												5094	
		TOT PCT	15.2			4.0	9.7	17.7							

TABLE 9

VSBY	SPD	N	N.C				•	u	A114	VAR	CALM	PCT	TOTAL
(NM)	KTS	N	NE	3	SE	S	SW	W	NW			PCI	DBS
	0-3		.0	.0	.0	.0	.0	.0	.0	.0	.0	*	
<1/2	4-10	.0		.0	*	.0	*	.0	*	.0		.1	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	*	*	.0	*	.0	*	.0	*	.0	.0	. 2	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1		.0	.0	.0	*	.0	.0	*	.0	.0		*	
	11-21	.0		*	.0	*	.0	.0	*	.0		.1	
	22+	.0	.0	.0	.0	.0	.0	*	*	.0		*	
	TOT %	.0			*	*	.0		*	.0	.0	.1	
	0-3	.0	.0	.0		*	.0	.0	.0	.0			
1<2	4-10	*	*	.0	*	.0	*	*	.0	.0		.1	
	11-21	.0	*	*	.0	*	*		*	.0		.1	
	22+	.0	.0	.0	*		.0	.0		.0		*	
	TOT %	*	*	*	*	•1	*		*	.0	*	.2	
	0-3			.0	.0	.0		.0		.0	*	.1	
2<5	4-10				.1	.1	.1	. 1	*	.0		.4	
	11-21	.1	.1	*	*	.1	.2	.2	*	.0		.8	
	22+	.1	.1	*	*	. 1	.2		*	.0		.5	
	TOT %	.2	.2	•1	.2	.3	.5	.3	.1	.0		1.8	
	0-3	.1	.1	.1	.1	.1	.1			.0	.3	.9	
5<10		. 8	1.2	.8	.5	.5	. 8	.8	.5	.0		5.9	
	11-21	1.0	1.4	.5	.4	.9	1.4	. 0	.6	.0		7.0	
	22+	.4	.5	.1	.1	.3	.6	.4	.4	.0		2.9	
	TOT %	2.4	3.2	1.5	1.0	1.8	2.9	2.0	1.6	.0	.3	16.7	
	0-3	.6	.8	.4	.3	.4	.5	.5	.5	.0	1.9	5.8	
10+	4-10	6.4	7.1	3.6	1.7	2.5	4.3	4.0	4.3	.0		33.9	
	11-21	6.5	9.8	2.6	.9	2.5	4.7	3.6	3.3	.0		34.0	
	22+	1.1	1.9	3	.2	5	1.4	1.2	.8	.0		7.4	
	TOT \$	14.6	19.6	7.0	3.1	5.8	10.9	9.3	8.8	.0	1.9	81.0	
	TOT OBS					-							7166
	TOT PCT	17.3	23.1	8,6	4.3	7.9	14.3	11.6	10.6	.0	2.2	100.0	

FEBRUARY

PERIOD: (PRIMARY) 1924-1973 (OVER-ALL) 1855-1973

TABLE 10

AREA 0003 CASABLANCA SW 31.7N 13.1W

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE DF NH <5/8 BY HOUR

HOUR (GMT)	000	150 299	300 599	999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL	
00603	.6	.0	.5	4.1	8.6	6.9	3.7	1.1	.6	1.1	27.2	72.8	1016	
90300	.3	.0	.8	4.8	11.4	11.8	4.3	1.5	.7	1.6	37.1	62.9	1022	
12615	.1	.2	.6	4.6	11.6	8.4	4.5	2.4	. 8	1.2	33.3	66.7	1203	
18821	.2	.1	.5	5.3	11.7	9.6	4.1	1.0	.5	.6	33.5	66.5	1157	
TOT PCT	12	.1	26	207	10.8	403 9.2	183	1.3	29	1.1	1444	2954 67.2	4398	

TABLE 11

TABLE 12

		PERCENT	FREQUEN	CY VSB	(NM)	AY HOUR		CUMULAT					VSBY (NM)	
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL
00603	.1	.3	.2	2.7	17.4	79.2	1617	60300	.6	1.3	7.5	21.5	71.0	954
06609	.2	.2	.3	1.9	18.7	78.8	1944	96609	.3	1.0	7.7	31.3	60.9	957
12615	.0	.0	•2	1.3	14.0	84.5	1762	12615	• 1	.9	6.7	27.9	65.3	1163
18621	.0	.1	.1	1.8	17.1	80.9	2016	18621	.2	.9	7.7	27.1	65.2	1124
TOT	.1	11	15	139	1236	5932	7339 100.0	TOT	12	42	310	1135	2753 65.6	4198

ARIF 1

TABLE

				1	ABLE 1	3									TABL	E 14				
	PERC	ENT FR	EQUENC	Y OF R	ELATIV	E HUMI	DITY B	Y TEMP	TOTAL	PCT		PERC	ENT FR	EQUENC	Y OF W	IND DI	RECTIO	N BY T	EMP	
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100		FREQ	N	NE	E	SE	S	SW	W	NW	VAR	CALM
75/79	.0	.0	.0	.0	.0		.0	.0	1		.0	.0	.0	.0		*	.0	.0	.0	.0
70/74	.0	.0		.1	.3	.5	.4	.1	60	1.5	.2	. 2	.0	*	. 2	.5	. 2	.1	.0	*
65/69	.0	.0	.0	1.0	2.1	5.2	8.2	4.5	856	21.1	1.5	1.7	1.5	1.2	3.5	6.9	3.2	1.2	.0	. 3
60/64	.0	.0			14.1	19.0	18.3	8.4	2575		10.7	12.5	5.0	2.3	5.4	9.2	9.8	7.2	.0	1.2
55/59	.0	.0	.1	. 8	3.3	4.2	3.0		538	13.3	3.4	3.5	1.3	.3	.5	.6	1.0	2.2	.0	.4
50/54	.0	.0	.0			.1	.2	.3	26	.6	.2	.1	*	.1	*	.1	.0	.1	.0	.0
45/49	.0	.0			.0				4	.1	.0	.0	.0	*	.0	*	*	.0	.0	.0
TOTAL	0	0	13	215	810	1180	1223	619	4060	100.0										
PCT	- 0	- 0	. 3	5 3	20.0	20.1	20.1	15 2			16-1	18-1	7.8	4.0	9.7	17.4	14.2	10.8	- 0	2.0

TABLE 15

	MEANS,	EXTREM	ES AND	PERCEN	TILES	OF TE	MP (DE	G F) B	Y HOUR		PERC	ENT FRE	QUENCY	OF RELA	TIVE H	YTIGIMU	BY HOU	R
HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL	HOUR (GHT)	0-29	30-59	60-69	70-79	80-89	90~100	MEAN	TOTAL
00603	76	67	65	61	56	54	43	61.2	2007	00603	.0	3.7	17.3	28.8	34.0	16.2	79	1010
90300	72	67	65	61	56	52	46	60.9	2716	06609	.0	3.7	17.5	27.8	33.2	17.8	79	1039
12615	78	72	69	64	59	54	46	63.7	2097	12815	.0	9.6	23.9	26.9	26.8	12.7	75	1078
18621	77	71	68	63	58	55	47	62.6	2686	18821	.0	5.8	21.1	31.9	27.2	14.0	77	1074
TOT	78	70	67	62	57	54	43	62.0	9506	TOT	0	241	842	1213	1269	636	77	4201

FEBRUARY

PERIOD: (PRIMARY) 1924-1973 (OVER-ALL) 1855-1973

TABLE 17

AREA 0003 CASABLANCA SW 31.7N 13.1W

PCT	FREQ	OF	AIR	TEMPERATURE	IDEG	F)	AND	THE	DCCURRENCE	OF	FOG	CWITHOUT	PRECIPITATION)
				VS ATE	-SFA	TE	MPFR	TURE	DIFFERENCE	: (DEG I	=)	

5	49	53			2.00	100	100	123.000			
		23	57	61	65	69	73	77	TOT	W	MO
	52	56	60	64	68	72	76	80		FOG	FDG
.0	.0	.0	.0	.0	.0	.0			2	.0	
.0							.2				.3
											. 5
				. 1	. 2			.0			.5
0											.5
			. 1	. 3	. 8	.4		.0			1.6
											2.6
				. 9	1.8						3.0
			. 1								6.4
			4	5.6							11.5
											15.8
		- 7	2 2								16.0
			2 4	9.5							14.0
			5 1						494		10.5
											7.6
			3.4								4.2
			2.0								
											1.8
											1.7
.0		.1	.1	• 1				.0			.5
		. 2									.4
									6		.1
									2		*
*	.0	.0	.0		.0		.0	.0	1	.0	*
8		93		2492		94		3		16	4683
							22				
. 2	.4	2.0	21.3	53.0	20.6	2.0	.5	.1	100.0	.3	99.7
		00 .0 00 .0 10 .0 11 .0 11 .0 11 .0 12 .0 13 .0 14 .0 15 .0 16	00 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .	00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	00 -0 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1	00 .0 .0 .0 .0 * * * 00 .0 .0 .0 .0 .0 .0 .0 .1 .1 .2 .0 .0 .0 .0 .1 .1 .2 .2 .0 .0 .0 .0 .1 .1 .1 .2 .2 .0 .0 .0 .0 .1 .1 .1 .2 .2 .0 .0 .0 .0 .1 .1 .6 1.6 .0 .0 .0 .0 .0 .1 .5 .6 5.5 .5 .0 .0 .0 .0 .4 .5 .6 5.5 .5 .0 .0 .0 .0 .4 .5 .6 5.5 .5 .0 .0 .0 .0 .1 .2 .2 11.9 1.9 .0 .0 .1 .2 .2 11.9 1.9 .0 .0 .1 .1 .5 .0 .4 .0 .0 .0 .1 .5 .1 .5 .0 .4 .0 .0 .0 .0 .1 .5 .1 .5 .0 .4 .0 .0 .0 .0 .2 .2 .6 1.3 .1 .1 .0 .0 .0 .2 .2 .6 1.3 .1 .1 .0 .0 .0 .2 .2 .6 1.3 .1 .1 .0 .0 .0 .2 .2 .6 1.3 .1 .1 .0 .0 .0 .1 .1 .1 .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	00 .0 .0 .0 .0	00	00	00 .0 .0 .0 .0 * * .0 .2 * 12 00 .0 .0 .0 .0 .1 .1 .2 .1 * 23 00 .0 .0 .0 .1 .1 .2 .3 .1 .0 36 00 .0 .0 .0 .1 .1 .2 .3 .1 .0 36 00 .0 .0 .1 .1 .2 .2 .0 .0 .0 .25 00 .0 .0 .1 .3 .4 .2 .2 .0 .0 .25 00 .0 .0 .1 .3 .4 .3 .4 .0 .0 .25 00 .0 .0 .0 .1 .8 1.6 .3 * .0 .120 00 .0 .0 .0 .1 .8 1.6 .3 .0 .0 .140 00 .0 .0 .4 .5 .6 .5 .5 * .0 .0 .300 00 .0 .4 .5 .6 .5 .5 * .0 .0 .0 .542 00 .0 .0 .1 .2 .2 11.9 1.9 .0 .0 .0 .755 00 .0 .1 .2 .2 11.9 1.9 .0 .0 .0 .0 .755 00 .0 .1 .3 .6 .9 .5 .8 * .0 .0 .0 .592 00 .0 .1 .5 .1 .5 .0 .4 .0 .0 .0 .0 .0 .755 00 .0 .1 .5 .1 .5 .0 .4 .0 .0 .0 .0 .0 .357 00 .0 .1 .5 .1 .5 .0 .4 .0 .0 .0 .0 .0 .357 00 .0 .1 .1 .1 .1 .0 .0 .0 .0 .0 .357 00 .0 .1 .1 .1 .1 .0 .0 .0 .0 .0 .0 .357 00 .0 .1 .1 .1 .1 .1 .0 .0 .0 .0 .0 .0 .0 .20 01 .1 .1 .1 .1 .1 .0 .0 .0 .0 .0 .0 .0 .20 02 .1 .2 * * .0 .0 .0 .0 .0 .0 .0 .0 .20 03 .0 .1 .1 .1 .1 .1 .0 .0 .0 .0 .0 .0 .20 04 * * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .20 05 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	00

PERIOD: (OVER-ALL) 1963-1973

TABLE 18

				PC	T FREQ C	F WIND	SPEED	(KTS) AND DIRE	CTION V	ERSUS S	EA HEIG	HTS (FT)		
				N							NE			
HGT	1-3	4-10	11-21	22-33	34-47	48+	FUT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	1.2		.0	.0	.0	1.5	.5	1.0	.0	.0	.0	.0	1.5
1-2	. 1	3.0	1.1	.0	.0	.0	4.2	.3	3.0	1.3	-0	.0	.0	4.7
3-4	.1	1.4	1.8	.1	.0	.0	3.4		1.7	2.5	.1	.0	.0	4.4
5-6	.0	.4	2.2	.3	.0	.0	2.9	.0	.3	2.3	.5	.0	.0	3.1
7	.0	.1	.5	.3	.0	.0	.9	.0	*	.5	.6	.0	.0	1.1
8-9	.0	.0	.3	.2	.0	.0	.5	.0	.0	.4	. 2	.0	.0	.6
10-11	.0	.0	.2	.1	.0	.0	. 3	.0	.0	.2	.4	*	.0	.7
12	.0	.0	.0	.1	.0	.0	.1	.0	.0	.0	*	.0	.0	*
13-16	.0	.0	.0	.0		.0		.0	.0		.1	.0	.0	.1
17-19	.0	.0	.0	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0		.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.6	6.1	6.1	1.2	•1	.0	14.1	.9	6.0	7.4	2.0	•	•0	16.4
				E							SE			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.6	.1	.0	.0	.0	1.0	.1	.5	.0	.0	.0	.0	.6
1-2	.2	2.6	.9	.0	.0	.0	3.6	.1	1.2	.2	.0	.0	.0	1.5
3-4	.0	1.1	1.0	.1	.0	.0	2.2	*	.4	.4	.0	.0	.0	.8
5-6	.0	.2	.4	.1		.0	. 8	*	.3	.1	.0	.0	.0	.5
7	.0		.1	.0	.0	.0	. 1	.0			.0	.0	.0	.1
8-9	.0	.0		.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0		.0	.0		.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.1		.0	.0	.1	.0	.0		.0	.0	.0	*
13-16	.0	.0		.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	. 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	•0	.0	.0	•0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	•0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.4	4.5	2.6	.2	• 1	.0	8.0	.3	2 . 4	.9	.0	.0	.0	3.5

	FEBRUARY	
PERIOD: (QVER-ALL) 1963-1973		AREA 0003 CASABLANCA SW
	TABLE 18 (CONT)	31.7N 13.1W

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

				S							SW				
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	.4	.5	.2	.0	.0	.0	1.1	.3	.9	.1	.0	.0	.0	1.4	
1-2	.2	2.3	. 8	.0	.0	.0	3.3	.2	3.1	1.2	.0	.0	.0	4.6	
3-4	*	.9	1.7	.1	.0	.0	2.7	.1	2.0	2.9	.4	.0	.0	5.3	
5-6	.0	.1	1.0	.2		.0	1.4	.0	.4	2.7	.6		.0	3.7	
7	.0	.0	.7	.4		.0	1.1	.0	*	1.6	.6	.1	.0	2.3	
8-9	.0	.1	.3	.2	:	.0	.6	.0	*	.5	.5	.0	.0	1.0	
10-11	.0	.0	.1	.1		.0	.2	.0	.0	.2	.4	.0	.0		
12	.0	.0	.0	.1	•1	.0	.2	.0	.0	*	.2	:	.0	.2	
13-16	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1	.0	.0	•1	
17-19			.0			.0	.0		.0		.0	.0		.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25		.0	.0	.0	•0	.0	.0	.0		.0	.0	.0	.0	.0	
26-32 33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
			.0				.0				.0			.0	
49-60 61-70	.0	.0	.0	.0	.0	.0	.0	•0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	
			.0			.0	.0		.0		.0	.0		.0	
87+ TOT PCT	.0	3.9	4.8	1.1	.0	.0	10.7	.0	6.4	9.3	2.8	.2	.0	19.4	
IUI PCI	.0	2.7	4.0	1.1		.0	10.7	,0	0,4	7,3	2.0	• 2	.0	17.4	
				W							NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.4	.5	.0	.0	» O	.0	.9	.4	.4		.0	.0	.0	. 8	
1-2	.3	2.8	1.3	.0	.0	.0	4.3	1	2.2	.5	.0	.0	.0	2.8	
3-4	.1	1.5	2.1	.3	.0	.0	4.0	•1	1.2	1.6	*	.0	.0	2.9	
5-6	.0	.3	1.6	.4	.0	.0	2.3	.0	.3	1.2	. 2	.0	.0	1.7	
7	.0	.1	.9	.6	.1	.0	1.7	.0	.0	.5	.5	• 0	.0	1.0	
8~9	.0	.0	.2	.4	.1	.0	. 8	.0	*	.1	.2	.0	.0	.3	
10-11	.0	.0	.1	.2	.0	.0	.3	.0	.0		.1	.0	.0	.1	
12	.0	.0	.0	.1	.1	.0	. 2	.0	.0	*	.0	.0	.0	*	
13-16	.0	.0	.1	*	.1	.0	. 2	•0	.0	.0	.1	*	.0	.1	
17-19	.0	.0	.0	.0	.0	.0	.0	•0	.0	.0	.0	*	.0	*	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0		.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0		.0	.0	.0	.0	.0	•0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	•0	.0	.0	.0	•0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	•0	.0	.0	.0	•0	.0	.0	
TOT PCT	.8	5.2	6.4	2.1	.3	.0	14.7	.6	4.1	4.1	1.0	*	.0	9.8	96.6

	WIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	7.2	5.6	.4	.0	.0	.0	13.2	505
1-2	1.7	20.0	7.3	.0	.0	.0	29.0	
3-4	.4	10.1	13.9	1.1	.0	.0	25.5	
5-6	*	2.4	11.4	2.3		.0	16.2	
7	•0	.4	4.7	2.9		.0	8.2	
8-9	.0	.1	1.9			.0	3.8	
10-11	•0	.0	. 8	1.4		.0	2.3	
12	.0	.0	.2	.5	.2	.0	.9	
13-16	• 0	.0	.2	.4	.2	.0	.7	
17-19	.0	.0	.0	*	.1	.0	.1	
20-22	• 0	.0	*	.0	.0	.0	*	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								2550
TOT PCT	9.3	38.5	40.8	10.3	1.1	.0	100.0	

PERIOD: (OVER-ALL) 1949-1973 TABLE 19 PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS) PERIOD (SEC) <6 6-7 8-9 10-11 12-13 >13 [NDET TOTAL PCT C1 1-2 3-4 5-6

1.4 6.3 8.3 4.6

.0 1.3 3.9 5.5

.0 .3 1.5 3.0

.0 .5 .9 1.5

.0 .0 .0 .9 .7

.0 .0 .0 .3

4.0 3.1 3.6 4.4

177 380 626 660

5.4 11.6 19.0 20.1 87+ TDTAL

.0 818
.0 658
.0 460
.0 276
.0 174
.0 89
.0 813
.0 3288
.0 100.0 MEAN HGT 6 7 8 8 10 5 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60 61-70 71-86 2.2 4.6 3.4 1.6 .9 .5 553 16.8 6.3 1.3 .5 .0 .0 3.1 380 11.6 4.6 5.5 3.0 1.5 .7 .3 4.4 660 20.1 .2 .4 .9 .6 .5 .4 .8 125 3.8 .0 .000000000 .0.0.0 1.9 2.2 1.0 .6 .5 2.4 311 9.5 .7 1.6 1.3 .8 .5 1.6 272 8.3 .4 .6 1.0 .5 .7 .3 .9 144 4.4 .1 .0 .2 .1 .2 .1 .2 .9 .000000000 .0 * .1 * .1 7 .2 .0000000000 .0

									MARC	н						
PERIOD:	(PRIMARY)		-1973 -1973						TABLE	1			AREA 000	31.8N	ABLANCA S	
					P	ERCENT	FREQU	ENCY O	F WEATHER	DCCURRENCE	BY WI	ND DIR	ECTION			
				P	RECIPI	TATION	TYPE					OTHER	WEATHER	PHEND	MENA	
	WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THOR	FDG WD PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUS BLWG SND	
	N NE	1.0	1.3	.3	.0	.0	.0	.0	2.6	2.5	.3	.5	.0	.4	.0	93 95
	E SE	4.2	.9	.7	.0	.0	.0	.7	1.3	1.8	3.1	2.4	.0	1.5	.0	92 84
	S	5.3	3.0	.6	.0	.0	.0	.0	8.9 5.5	4.0	3.6	1.6	.0	.3	.0	81
	W NW	1.4	2.5	.3	.0	.0	.0	.0	3.8	4.1	1.1	.1	.0	.7	.0	90
	VAR	.0	.0	.0	.0	.0	.0	.0	2.0	.0	2.0	3.4	.0	1.4	.0	90

0 0

.0 .5

91.9

TABLE 2 PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR PRECIPITATION TYPE OTHER WEATHER PHENOMENA .0 .8 .0 .0 .2 .1 .0 .7 .0 .0 .7 .0 .5 .7 .6 89.5 90.9 93.6 93.4 00603 06609 12615 18621 1.7 1.8 .9 1.0 2.2 2.0 1.2 1.1 .3 .0 .0 .0 .0 .0 4.2 .5 .0 .0 .0 .1 4.3 .3 .0 .0 .0 .0 2.4 .2 .0 .0 .0 .1 2.4 2.5 .0 .0 * 3.3 2.5 1.1 .6 .0 .6 1.6 .3 .0 92.0

1.1 .7

2.5

								1	ABLE 3								
				PERCI	ENTAGE	FREQUE	NCY OF	WIND D	IRECTION	BY SPI	EED AN	D BY H	BUR				
		WI	ND SPE	ED (KN	DTS)								HOUR	(GMT)			
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	FREQ	MEAN	00	03	06	09	12	15	18	21
N NE	1.2	9.4		3.2	.2	.0		24.0	13.0	23.5	24.8	23.6	22.8	23.5	22.9	26.1	23.1
8	.7	2.6		.3	.0	.0		5.7	10.4	5.2			7.3	6.3	5.4		
SE	.3	1.6	.8	.1	*	.0		2.8	9.4	2.4	3.4	2.5	3.6	3.0	2.1	2.3	
S	.5	2.1	1.4	.3	*	*		4.3	10.5	4.6	6.0		4.4	4.5	2.9	4.2	4.6
SW	.5	4.3	4.2	1.0	.1	*		10.1	12.6	10.0	7.6	10.6	9.4	10.9	11.3	10.2	8.2
W	.6	5.5	4.0	1.2	.2	*		11.4	12.3	11.4	8.2	11.1	10.5	11.1	12.0	12.1	12.6
NW	.6	5.7	4.4	1.6	.3	*		12.6	12.9	12.2	14.6	12.6	12.8	11.6	15.4	12.9	14.3
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	2.4							2.4	.0	2.8	2.4	3.0	1.7	1.9	2.1		2.0
TOT OBS	824	4283	4205	1115	100	4	10531		12.3	2044	125	2056	944	2201	140	2093	928
TOT PCT	7.8	40.7	39.9	10.6	.9	*		100.0		100.0		100.0	100.0	100.0		100.0	

					TAB	LE 3A						
			SPEED							HOUR		
WND DIR	0-6	7-16	17-27	28-40	41+	DRS	FREQ	SPD	00	06	12	18 21
N NE	4.7	12.2	5.9	1.1			24.0	13.0	23.6	23.4	23.5	25.2
	4.2	13.8	7.7	1.0	*		26.8	13.5	27.8	27.5	27.2	24.9
SE SW W	1.8	2.8	1.0	*1	.0		5.7	9.4	2.5	2.9	3.0	2.7
S	1.5	2.0	.7	.1			4.3	10.5	4.7	3.9	4.4	4.3
SW	2.1	5.2	2.5	.3	*		10.1	12.6	9.9	10.2	10.9	9.6
	2.7	5.8	2.3	.6	*		11.4	12.3	11.3	10.9	11.1	12.3
NW	3.0	6.1	2.7	. 8	*		12.6	12.9	12.4	12.7	11.8	13.3
CALM	2.4	.0	.0	•0	.0		2.4	.0	2.8	2.6	1.9	2.3
TOT DBS	2468	5193	2429	424	17	10531		12.3	2169	3000	2341	3021
TOT PCT	23.4	49.3	23.1	4.0	.2		100.0		100.0	100.0	100.0	100.0

PERIOD: (PRIMARY) 1925-1973 (OVER-ALL) 1862-1973

TABLE 4

AREA 0003 CASABLANCA SW 31.8N 13.1W

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND 11-21	SPEED (KNOTS) 34-47	48+	MEAN	PCT	TOTAL
60300	2.8	5.3	42 0	20.0	0 2		^	10.0	100 0	2169
			42.8	38.9	9.3	.9	.0		100.0	
90300	2.6	5.7	42.8	38.6	9.5	• 7		11.8	100.0	3000
12615	1.9	5.6	37.7	41.8	11.7	1.4	*	12.8	100.0	2341
18621	2.3	5.1	39.3	40.6	11.7	.9	.1	12.6	100.0	3021
TOT	253	571	4283	4205	1115	100	4	12.3		10531
PCT	2.6	5.4	40 7	19.0	10.6	. 9			100.0	15.000.00

TABLE 5

P	CT FRE			DIREC		(EIGHTHS)			PERCEN	TAGE F	REQUEN	ICY OF	CEILIN NH <5/	B BY	HTS (F	T, NH	24/8) ON	
WND DIR	0-2	3-4	5-7	8 & 085CD	TOTAL	MEAN CLOUD COVER	000 149	150	300 599	600 999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL
N	7.3	6.3	8.9	3.1		4.2	.1		.1	1.2	4.0	2.5	.9	.3	.1	.2		
NE	8.5	5.3	8.7	3.6		4.1		*	.1	. 9	4.2	2.5	1.2	.3	.1	.2	16.5	
E	1.6	. 8	1.6	.7		4.0	.0	.0	.0	.2	.5	.5	.3	. 1	*	. 1	2.9	
SE	.4	.4	1.0	.4		5.1	.0	.0	*	.1	.3	.1	.2	*	*	*	1.4	
S	1.0	.9	1.4	. 9		4.6				.1	.5	.5	.2			.1	2.6	
SW	3.4	2.4	3.8	1.8		4.3		*	.1	.4	1.4	1.4	.5	.1	.1		7.2	
*	3.5	2.4	3.7	1.6		4.2	.0	*	.2	.5	1.5	.9	.5	.2	.1	.1	7.3	
NW	2.9	3.9	3.8	1.1		4.1				.3	1.3	1.0	.6	.1	.1	.2	8.0	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	1.3	.4	.7	. 2		3.2	,0	.0	.0	.1	.2	.1	.1	.0		*	2.1	
TOT OBS	1412	1092	1598	625	4727	4.2	7	6	26	189	667	448	207	55	29	51	3042	4727
TOT PCT	29.9	23.1	33.8	13.2	100.0		.1	.1	.6	4.0	14.1	9.5	4.4	1.2	.6	1.1	64.4	100.0

TABLE 7

CUMULATIVE PCT FREQ	OF SIMULTANEOUS OCCURREN	CE
OF CEILING HEIGHT	(NH >4/8) AND VSBY (NH)	

						VSBY (NM)			
	CE	LING	· OR	= DR	- OR	= OR	= DR	- OR	· DR	= DR
	(F	ET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
	OR :	6500	1.5	1.8	1.8	1.8	1.8	1.8	1.8	1.8
	DR :	5000	2.5	2.9	2.9	2.9	2.9	2.9	2.9	2.9
*	DR ;	3500	6.1	7.3	7.3	7.3	7.3	7.3	7.3	7.3
*	OR :	2000	14.1	16.5	16.8	16.8	16.8	16.8	16.8	16.8
*	OR :	1000	25.8	30.2	30.7	30.8	30.8	30.8	30.8	30.8
*	OR :	600	28.8	33.9	34.7	34.7	34.7	34.7	34.7	34.7
	DR :	300	29.2	34.4	35.2	35.2	35.2	35.2	35.2	35.2
	OR :		29.3	34.5	35.3	35.3	35.4	35.4	35.4	35.4
	DR :	0	29.3	34.6	35.4	35.5	35.5	35.5	35.5	35.5
	1	TOTAL	1425	1685	1725	1727	1728	1729	1729	1729

TOTAL NUMBER OF OBS: 4868 PCT FREQ NH 45/8: 64.5

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	DBSCD	DBS
14.8	11.7	14.3	13.2	10.1	7.5	9.0	9.2	10.1	.1	5192

	R		

							H	ARCH					
PERIOD: (PRIMARY) (OVER-ALL)							TA	BLE 8				ARE	A 0003 CASABLANCA SW 31.8N 13.1W
		P	ERCENT	PREC	DF WIN	D DIRE	CTION TH VAR	VS DCC	URRENCE ALUES	F VIS	IBILIT	URRENC	E OF
VSBY (NM)		N	NE	ε	SE	5	SW	W	NW	VAR	CALM	PCT	TOTAL
<1/2		:	.0	.0	.0	:0	.0	.0	:	.0	.0	:	
	TOT %	•	.0		.0	.0	.0	.0	•	.0	.0	.1	
1/2<	PCP NO PCP TOT %	.0	.0	.0	.0	:	:	.0	.0	.0	.0	.1	
1<2	PCP NO PCP TOT \$:	•0	.0	• •	.0	.0	.0	.0	.0	.0	.1 .1	
2<5	PCP NO PCP TOT %	.1 .2 .3	.1	.0 .1 .1	:	.1 .1	.1 .2 .3	.1	• •1 •1	.0	.0 .1 .1	1.1	
5<10	PCP ND PCP TOT %	3.0 3.3	4.1 4.3	1.2	.1 .5 .6	1.0 1.2	2.0	1.9	1.5 1.7	.0	.2	1.6 15.4 17.1	
10+	PCP NO PCP TOT %	20.9	21.4 21.5	3.7 3.7	1.7	3.0 3.2	8.4 8.5	9.1 9.2	9.6 9.8	.0	2.2	80.0 81.1	

TOT DBS 5701 TOT PCT 24.8 26.1 5.1 2.4 4.5 11.2 11.6 11.6 .0 2.6 100.0

TABLE 9

VSBY													
(NM)	SPD KTS	N	NE	E	SE	S	SW	*	NW	VAR	CALM	PCT	TOTAL
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	*	.0	.0	.0	.0	.0	.0	*	.0			
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %		.0	.0	.0	.0	.0	.0		.0	•0		
	0-3	.0	.0	.0	.0	*	*	.0	.0	.0	.0		
1/2<1	4-10	.0	*	.0	.0	*	*	.0	.0	.0		*	
	11-21	.0	*		.0	.0	*	*	*	.0		.1	
	22+	.0	.0	.0	.0	*	*	*	.0	.0		.1	
	TOT %	.0	*		.0	*	.1	*		.0	.0	. 2	
	0-3	.0	.0	.0	.0	,0		.0	.0	.0	.0		
1<2	4-10				*	41	.0	*	*	.0		.1	
	11-21	.0	*	.0	.0	• 0	.0	*	.0	.0		*	
	22+	.0	.0	.0	.0	*	*	*	.0	.0		.1	
	TOT *	*		*	*	*		*		.0	.0	.2	
	0-3							*		.0	.1	.2	
2<5	4-10	.1	.1		*	*	.1	.1	.1	.0		.5	
	11-21	.1	.1	*		*	.2	.1		.0		.6	
	22+	*	*	.0	*	.1	.1	*	*	.0		.3	
	TOT *	• 2	.3	•1	•1	.2	.4	.3	.1	.0	•1	1.7	
	0-3		.1	.1	.1	.1	.1	.1	.1	.0	.3	1.1	
5<10	4-10	. 8	1.5	.5	.3	.4	.7	. 8	.5	.0		5.6	
	11-21	1.7	2.0	.4	. 2	.3	1.0	. 8	. 8	.0		7.2	
	22+	.6	.6	.1	*	.1	.4	.4	.3	.0		2.5	
	TOT %	3.2	4.2	1.1	.5	1.0	2.2	2.1	1.7	.0	.3	16.3	
0.00	0-3	1.2	1.0	.5	.2	.4	.4	.4	.4	.0	2.4	6.9	
10+	4-10	8.1	7.8	1.9	1.0	1.6	3.6	4.7	5.0	.0		33.7	
	11-21	8.9	10.9	1.4	.5	1.1	3.4	3.3	3.3	.0		32.9	
	22+	2.4	2.5	2	.1	.1	.7	. 8	1.3	.0		8.1	
	TOT %	20.7	22.2	4.0	1.8	3.2	8.2	9.2	10.0	.0	2.4	81.6	
	TOT OBS	-							2000				7927
	TOT PCT	24.1	26.8	5.2	2.4	4.4	10.8	11.7	11.9	.0	2.7	100.0	

PERIOD: (PRIMARY) 1925-1973 (OVER-ALL) 1862-1973

TABLE 10

AREA 0003 CASABLANCA SW 31.8N 13.1W

PERCENT FREQUENCY OF CEILING HFIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	
00603	.3	•2	.3	3.8	12.8	6.7	3.2	.9	.6	.9	29.6	70.4	1168
90360	.3	.0	.8	5.1	16.7	9.5	4.4	1.2	.8	1.5	40.3	59.7	1194
12615	.0	.1	.5	3.4	13.4	10.9	4.5	1.1	.8	1.2	36.0	64.0	1366
18621	.0	.2	.4	2.9	11.2	9.4	4.8	1.2	.3	.8	31.2	68.8	1336

7 7 26 191 681 466 215 56 31 56 1736 3328 5064 .1 .1 .5 3.8 13.4 9.2 4.2 1.1 .6 1.1 34.3 65.7 100.0

TABLE 11

TABLE 12

		PERCENT	FREQUENC	Y VSBY	(NM)	BY HOUR		CUMULAT	IVE PCT	FREQ G HGT	OF RAN	GES OF NH >4/8	VSBY (NM)	AND/OR
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00803	.1	.0	.1	2.2	17.7	80.0	1784	00603	.3	.8	6.3	25.4	68.3	1110
06609		.3	.2	1.6	19.1	78.8	2188	90360	.4	1.3	7.6	34.9	57.5	1137
12615	•0	•2	.1	1.5	12.8	85.5	1929	12615	.0	.7	5.2	32.2	62.6	1324
18821		.2	.2	1.4	15.6	82.5	2251	18621	.0	.7	4.6	28.1	67.3	1297
TOT	3	14	13	133	1332		8152	TOT	7	42	285	1469	3114	4868

TABLE 13

	PERCI	ENT FR	EQUENC	Y OF R	ELATIV	E HUMI	DITY B	Y TEMP			
									TOTAL	PCT	
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	DBS	FREQ	
75/79	.0	.0		.1	.0			.0	4	.1	
70/74	.0	.0	*	. 2	.6	.5	.3	. 1	77	1.7	
65/69	.0	.0	.1	.6	3.5	7.5	7.1	3.1	1015	21.9	
60/64	.0		.4	4.1	12.3	19.4	18.6	8.6	2944	63.5	
55/59	.0	.0	*	1.0	3.2	3.8	3.0	1.2	560	12.1	
50/54	.0	.0	.0	.0	.2	.2	.2	.1	34	.7	
TOTAL	0	1	27	275	915	1456	1354	608	4636	100.0	
PCT	.0		.6	5.9	19.7	31.4	29.2	13.1			

TABLE 14

		PERCE	NT FRE	EQUENCY	OF W	IND DI	RECTIO	N BY T	EMP	
	N	NE	E	SE	S	SW	W	NW	VAR	CALM
	.1	*	.0		.0	.0	*		.0	.0
	.3	.3	.0	.1	.1	.0	.3	.1	.0	.1
3.	.7	4.5	1.3	. 8	1.3	4.5	3.3	1.9	.0	.6
16.	4 1	8.4	3.2	1.2	2.5	6.0	7.0	7.3	.0	1.5
4.	2	2.6	.5	.3	.3	.4	1.2	2.4	.0	.1
	1	.1	*	*	.1	.1	.2	.2	.0	.0
24.	8 2	6.0	5.3	2.5	4.2	11.2	11.9	12.0	.0	2.3

TABLE 15

	MEANS,	EXTREME	S AND	PERCEN	TILES	OF TER	P (DE	G F) 8	Y HOUR
HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL
00603	75 76	68	65	61	57 57	54 52	46	61.4	2207 3029
12615	81	73	70	64	59	55	46	64.3	2322
18621	78	72	69	63	58	55	47	63.1	3009
TOT	81	71	68	62	57	54	46	62.5	10567

	PERC	ENT FRE	QUENCY	OF RELA	TIVE H	YTIDIMU	BY HOU	R
HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
£0300	.0	5.1	16.7	27.6	31.8	18.9	79 79	1124
12615	.0	8.3	24.3	35.3	23.5	8.7	74	1244
18621 TOT	•0	7.2 310	21.7 951	32.8 1532	28.3	10.1	76 77	1272 4815

MARCH

PERIOD: (PRIMARY) 1925-1973 (OVER-ALL) 1862-1973

0

TABLE 17

AREA 0003 CASABLANCA SW 31.8N 13.1W

8

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)

VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

					100					-			
AIR-SEA TMP DIF	45 48	49 52	53 56	57 60	61	68	69 72	73 76	77 80	81 84	тот	FOG	FOG
14/16	.0	.0	.0	.0	.0	.0	.0		.1	:	5	.0	.1
11/13	.0	.0	.0	.0	.0	.0	.1	.1	*	*	12	.0	.2
9/10	.0	.0	.0	.0	*	*	.1	.1	*	.0	16	.0	.3
7/8	.0	.0	.0	.1	. 1	.3	.6	*	.0	.0	58	*	1.1
6	.0	.0	.0	*	.1	.4	.5	*	.0	.0	54	*	1.0
6	.0	.0	.0	.1	.3	1.2	.4	.1	.0	.0	112	*	2.1
4	.0	.0	.0	*	.7	1.7	.5	.0	.0	.0	152	*	2.8
3	.0	.0	.0	*	.6	2.2	.4	.0	.0	.0	172	*	3.2
2	.0	.0	.0	.1	2.4	3.6	.4	.0	.0	.0	347	.1	6.4
1	.0	.0	*	.2	5.2	4.5	.2	.0	.0	.0	544	.1	10.0
0 -1 -2	.0	.0	:	.7	10.6	3.3	.2	.0	.0	.0	797	.2	14.7
-1	.0	.0			12.5	2.0	*	.0	.0	.0	879	.1	16.4
-2	.0	.0		4.2	9.6	.9	.1	.0	.0	.0	794	*	14.8
-3	.0	.0	.1	4.8	5.2	.5		.0	.0	.0	572	*	10.7
-4	.0	.0	.1	3.2	2.7	.2	.0	.0	.0	.0	338	.0	6.3
-5	.0	.1	.2	2.4	1.6	.1	.0	.0	.0	.0	235	.0	4.4
-6	.0	.0	.4	1.1	.3	.0	.0	.0	.0	.0	94	.0	1.8
-7/-8	.0	.1	.6	.9	.6	.0	.0	.0	.0	.0	117	.1	2.1
-9/-10	.0	.1	.2	.1	.1	*	.0	.0	.0	.0	28	*	.5
-11/-13	*	.1	.2	.1	*	.0	.0	.0	.0	.0	20	.0	.4
-14/-16	*	.1	.0	.0	*	.0	.0	.0	.0	.0	6	*	.1
TOTAL	3		102		2814		190		6			37	5315
		19		1074		1125		17		2	5352		
PCT	.1	.4	1.9	20.1	52.6	21.0	3.6	.3	.1	*	100.0	.7	99.3

PERIOD: (DVER-ALL) 1963-1973

TABLE 18

PCT FRED OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT) HGT
<1
1-2
3-4
5-6
7
8-9
10-11
12
13-16
17-19
20-22
23-25
26-32
33-40
41-48
49-60
61-70
71-86
TOT PCT 48+ 48+ 2.2 5.2 3.8 2.4 .6 .2 * .0 .0 .0 .0 .0 .0 .0 .0 HGT
<1
1-2
3-4
5-6
7
8-9
10-11
12
13-16
17-19
23-25
26-32
33-40
41-88
49-60
61-70
71-86
TP-TT 1-3 11-21 .0 .1 .1 .1 .1 .0 .0 .0 .0 .0 .0 .0 .0 48+ 48+ 1-3

									MAR	RCH							
PERIOD:	COVE	R-ALL)	1963-1	973				TABLE	18 (CONT				AREA	31.	CASABLAN	
				PC	T FREQ	DF WIND	SPEED	(KTS)	AND	DIREC	TION	VERSUS :	SEA HEIG	HTS (FT)		
				5									SW				
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT			1-3	4-10		22-33	34-47	48+	PCT	
<1	.3	.5	.0	.0	.0	.0	. 9			. 3	.7		.0	.0	.0	1.1	
1-2	.2	1.0	.1	.0	.0	.0	1.3			.2	2.3		.0	.0	.0	3.6	
3-4	.0	.4	.6	.1	.0	.0	1.1			.0	1.1		.1	.0	.0	3.0	
5-6	.0	.1	.2	.1	.0	.0	.4			.0	. 2		.1	.0	.0	1.4	
7	.0	.0	.1	.1	.0	.0	.1			.0			.3	.0	.0	.8	
8-9	.0	.0	.0		.0	.0	:			.0	.0		.2		.0	.4	
10-11	.0	.0	.0	.0		.0	:			.0	.0		.2	:	.0	• 2	
12	.0	.0	.0		.0	.0	:			.0	.0				.0	.1	
13-16	.0	.0		.0	.0	.0				.0			.0	.0	.0		
	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	*	.0		
20-22	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0			.0	•0		.0	.0	.0	•0	
33-40	.0	.0	.0	.0	.0	.0	:0			.0	•0		.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0		.0	
49-60	.0	.0	.0	.0	.0	.0	.0			.0	•0		.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
TOT PCT	.5	2.0	1.0	.2		.0	3.9			.5	4.3		.9	.1	.0	10.6	
							-										
													NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT			1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.3	1.1	.1	.0	.0	.0	1.5			.3	.9		.0	.0	.0	1.5	
1-2	.1	2.2	.7	.0	.0	.0	3.0			.1	2.2		.0	.0	.0	2.9	
3-4	.0	1.1	1.2	.1	.0	.0	2.3			.0	1.2		.3	.0	.0	3.1	
5-6	.0	.1	1.0	.3	.0	.0	1.4			.0	. 1		.3		.0	1.3	
7	.0		.4	.2	.0	.0	.6			.0	.1		.2	.0	.0	.7	
8-9	.0		.2	.1		.0	.3			.0	.0		.1	.0	.0	.3	
10-11	.0	.0		.1	.1	.0	.2			.0		.0	.2	.0	.0	.3	
12	.0		.0	.1	.0	.0	.2			.0	.0				.0	.1	
13-16	.0	.0	.1	*	.0	.0	.1			.0	.0		.2	.1	.0	.2	
17-19	.0	.0	.0	.0		.0				.0	.0	.0	.0		.0		
20-22	.0	.0		.0	.0	.0				.0	.0			.0	.0	*	
23-25	.0	.0	.0	*	.0	.0	*			.0	.0	.0		.0	.0	*	
26-32	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	•0	
49-60	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	•0	
61-70	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	•0	
71-86	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	•0	
87+	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0		
TOT PCT	.4	4.5	3.6	1.0	.1	.0	9.7			.4	4.6	3.9	1.4	.1	.0	10.4	96.9

	WIND	SPEFO	(KTS)	VS SEA	HEIGHT	(FT)			
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT	
<1	6.7	7.1	.6	.0	.0	.0	14.4		
1-2	1.7	19.0	6.8	.0	.0	.0	27.5		
3-4	• 2	9.8	15.8	1.1	.0	.0	26.9		
5-6	•0	1.4	10.8	2.0	.2	.0	14.4		
7	•0	.3	5.5	2.4		.0	8.3		
8-9	•0	.1	2.0	1.7	.1	.0	3.9		
10-11	•0	.1	.5	1.5	.2	.0	2.3		
12	•0		.1	.6	.1	.0	.8		
13-16		.1	.2	. 8	.1	.0	1.3		
17-19	•0	.0	.0		.1	.0	.2		
20-22	.0	.0			.0	.0	.1		
23-25	•0	.0	.0	*	.0	.0			
26-32	•0	.0	.0	.0	.0	.0	.0		
33-40	•0	.0	.0	.0	.0	.0	.0		
41-48	•0	.0	.0	.0	.0	.0	.0		
49-60	•0	.0	.0	.0	.0	.0	.0		
61-70	•0	.0	.0	.0	.0	.0	.0		
71-86	•0	.0	.0	.0	.0	.0	.0		
87+	•0	.0	.0	.0	.0	.0	.0		
	-0							2972	
TOT PCT	A . 7	38.0	42.2	10.2			100.0	-	

PERIOD	: (OV	ER-ALL	194	9-197	3				TABLE	19											
					PERCENT	FRE	QUENCY	OF WA	VE HEI	GHT (FT) VS	WAVE P	ERIOD	(SECON	08)						
PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN
<6	1.9	6.2	7.7	3.7	2.7	1.0	.2	• 1	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	920	4
6-7	.0	.6	3.3	6.6	5.3	2.8	1.6			.1		.0	.0	.0	.0	.0	.0	.0	.0	829	6
8-9		.2	2.1	3.4	4.2	2.2	1.4	1.1	1.0	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	613	7
10-11	.0	.6	.9	1.5	2.0	2.0	1.2			.3			.1		.0	.0	.0	.0	.0	387	8
12-13	.0	.0	.8	.8	.8	.8	1.0		.5	.1	.1			.0	.0	.0	.0	.0	.0	209	8
>13	.0	.0	.0	.3	.6	.3	.4	.2	.7		.1		.0	.0	.0	.0	.0	.0	.0	104	10
INDET	2.7	3.3	4.3	3.0	3.0	1.9	1.1		.7	.3		.0			.0	.0	.0	.0	.0	807	5
TOTAL	181	423	739	746		426	269	134		34	10		3	0	0	0	0	0	0	3869	6
PCT	4.7	10.9	19.1	19.3	18.8	11.0	7.0		4.4	.9	.3	.1	.1	.0	.0	.0	.0	.0	.0	100.0	

TABLE 1

AREA 0003 CASABLANCA SW 31.7N 13.1W

PERCENT	FREGUENCY	DE	WEATHER	DECLIBRENCE	RY	WIND	DIRECTION	

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHENO	MENA	
WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT	PCPN PAST HOUR	THDR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNDW	NO SIG WEA
N	.5	.8	.5	.0	.0	.0	.0	1.9	2.0	.4	1.5	.0	.7	.0	94.5
NE	.1	.4	.1	.0	.0	•0	.0	.7	.7	.2	1.5	.0	.6	.0	96.4
E	.0	.9	.0	.0	.0	•0	.0	.9	1.9	1.3	4.4	.0	.0	.0	91.6
SE	1.7	2.8	2.3	.0	.0	• 0	.0	6.8	.6	.0	.0	.0	.6	.0	92.0
S	2.7	6.7	.0	.0	.0	• 0	.0	9.4	2.0	3.2	.0	.0	1.5	.0	84.0
SW	.8	3.4	.4	.0	.0	•0	.0	4.7	1.9	.9	1.3	. 0	1.0	.0	90.4
W	1.9	3.7	.7	.0	.0	•0	.0	6.1	3.0	1.3	.4	.0	.2	.0	89.4
NW	2.2	2.4	.4	.0	.0	•0	.0	5.0	4.5	.9	1.0	.0	.5	.0	88.3
VAR	.0	.0	.0	.0	.0	•0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	1.1	.0	.0	.0	•0	.0	1.1	1.1	1.1	.0	.0	1.1	.0	95.6
TOT PCT	5345	1.4	.4	.0	.0	.0	.0	2.6	2.0	.6	.9	.0	.6	.0	93.3

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HATL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	NO SIG WEA
00803 06809 12815	1.2	1.8	.5	.0	.0	•0	.0	2.6 3.6 1.8	1.6 2.0 2.1	1.3	1.3	.0	.6	.0	93.1 91.9 94.5
18821	.5	1.5	.3	.0	.0	• 0	.0	2.3	2.2	.1	.7	.0	.6	.0	94.2
TOT PCT	5476	1.4	.4	.0	.0	•0	•0	2.6	2.0	.5	.9	.0	.6	.0	93.4

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		WI	ND SPE	ED (KN	OTS)								HOUR	(GMT)			
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N NE	1.2	13.1		3.3	.2	.0		36.4	13.1	36.4	45.1	36.4		35.9	42.9	38.2	
E	.2	1.1	.8	.1	.0	.0		2.1	10.4	2.4	1.6	2.2	2.6	2.2	.5	1.8	2.0
SE	. 2	.4	.3	*	.0	.0		.9	8.5	.6	. 8	.7	1.1	1.4	.5	.7	.7
S	. 2	1.0	.6	.2	.0	.0		2.1	11.3	1.8	.8	1.9	2.9	2.3	3.8		1.5
SW	.3	2.4	2.2	.6		.0		5.5	12.1	4.2	1.8	5.5	6.2		3.6		6.9
W	.6	4.2	2.8	. 8	.1	.0		8.5	11.5	8.4	7.7	8.3	9.1	7.9	8.2	8.7	9.7
NW	.8	6.9	5.2	1.4	.1	.0		14.4	11.8	14.9	11.8	15.2		13.3	16.6		
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0		.0
CALM	2.0				• "	• •		2.0	.0	2.5	1.6		1.4	2.1	. 7	1.8	2.6
TOT OBS	608	3717	4529	1003	52	0	9909	2.0	12.6	1907	127	1914	881	2005	152	2030	893
TOT PCT	6.1	37.5		10.1	.5	.0	,,,,,	100.0	12.0			100.0					

TABLE 3A

WND DIR	0.4		SPEED							HOU		
MUD DIK	0-6	7-16	17-27	28-40	41+	TOTAL	PCT	MEAN	00	06	12	18
						DAS	FREQ	SPD	03	09	15	21
N	5.3	20.5	9.6	1.0	*		36.4	13.1	37.0	35.5	36.4	36.9
NE	3.1	14.7	9.4	.9	*		28.1	14.2	28.8	28.3	28.6	
E	.6	1.2	.4	.0	.0		2.1	10.4	2.4	2.4	2.1	1.8
E SE	.4		.1	.0	.0		.9	8.5		.8	1.3	.7
36		.4		.0					.6			
5	.6	1.0	.4	*	.0		2.1	11.3	1.7	2.3	2.4	1.8
SW	1.3	2.9	1.2	.1			5.5	12.1	4.0	5.7	5.7	6.2
W	2.4	4.2	1.6	.1			8.5	11.5	8.3	8.6	7.9	9.0
NW	3.5	7.6	3.0	.4			14.4	11.8	14.7	14.7	13.6	14.6
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	2.0						2.0	.0	2.5	1.8	2.0	2.0
TOT DBS	1904	5191	2534	269	11	9909		12.6	2034	2795	2157	2923
TOT PCT	19.2	52.4	25.6	2.7	.1		100.0		100.0	100.0	100.0	

PERIOD: (PRIMARY) 1924-1973 (QVER-ALL) 1856-1973

TABLE 4

AREA 0003 CASABLANCA SW 31.7N 13.1W

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

				WIND	SPEED (KNOTS)			PCT	TOTAL
HOUR	CALM	1-3	4-10	11-21	22-33	34-47	48+	MEAN	FREQ	OBS
00603	2.5	3.8	36.6	47.1	9.4	.5	.0	12.5	100.0	2034
90300	1.8	4.7	41.1	42.5	9.5	.5	.0	12.3	100.0	2795
12615	2.0	3.7	35.0	48.2	10.7	.5	.0	13.0	100.0	2157
18621	2.0	4.1	36.6	45.9	10.8	.5	.0	12.8	100.0	2923
TOT	202	406	3717	4529	1003	52	Q	12.6		9909
PCT	2.0	4.1	37.5	45.7	10.1	.5	.0	-	100.0	

P	PCT FREQ OF TOTAL CLUUD AMOUNT (EIGHTHS) BY WIND DIRECTION								PERCEN	TAGE F	REQUEN	CY OF	CEILIN	G HEIG	HTS (F	T,NH	>4/8)	
		В	A MINI	DIREC	TION	MEAN				AND DC	CURREN	CE OF	NH <5/	8 BY W	IND DI	RECTI	NC	
WND DIR	0-2	3-4	5-7	8 & DBSCD	TOTAL	COVER	000 149	150 299	300 599	999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH 45/8 ANY HGT	
N	9.9	9.5	14.8	7.6		4.6	.0		.2	2.3	7.4	5.7	2.2	.4	.2	.1	23.2	
NE	7.4	5.8	9.7	3.9		4.4	.0		. 1	1.0	4.3	3.5	1.6	.5	. 2	.2		
E	.4	. 3	.4	.1		4.1	.0	.0	.0	.1	.1	.1	*		.0	*	.8	
SE	.2	.1	.3	. 2		4.7	.0	.0		.1		.1	*		.0	.0	.5	
S	.4	.3	.7	.5		5.1	.0	.0		.1	.3	.2	.1	.1		.0	1.0	
SW	1.5	.9	1.5	.6		4.2	.0	.0		.1	.6	.4	.2	*	.0	.1	3.1	
	2.1	1.9	2.6	.7		4.1	.0	.0	*	. 5	.7	.7	.4	.1	.1	.1	4.8	
NW	3.1	4.0	5.1	1.7		4.4	.1	.0	.1	.6	1.8	1.6	.7	.2	.1		8.8	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.6	.5	.6	.2		3.8	.0	.0	.0		.1	.2	.1		.0	.0	1.3	
TOT OBS	1158	1054	1614	702	4528	4.4		2	20	222	693	562	234	62	27	24	2678	4528
TOT PCT	25.6	23.3	35.6	15.5	100.0		.1		.4	4.9	15.3	12.4	5.2	1.4	.6	.5	59.1	100.0

TABLE 7

CUMULATIVE PCT FREQ	OF SIMULTANFOUS OCCURRENCE	E
OF CEILING HEIGHT	(NH >4/8) AND VSBY (NM)	
	SBY (NM)	

				VSBY (NE	1)			
CEIL		= DR	- OR	• OR	■ DR	- OR	- OR	- DR
(FEE	71 >10	>5	>2	>1	>1/2	>1/4	>50YD	>0
- OR >6	500 .9	1.1	1.1	1.1	1.1	1.1	1.1	1.1
- OR >5	2.1	2.5	2.5	2.5	2.5	2.5	2.5	2.5
= OR >3	500 6.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6
. DR >2	000 17.0	19.7	19.9	20.0	20.0	20.0	20.0	20.0
= DR >1	30.1	34.7	35.1	35.1	35.1	35.1	35.1	35.1
= DR >6	00 33.9	39.4	40.0	40.0	40.0	40.0	40.0	40.0
- OR >3	00 34.2	39.8	40.4	40.5	40.5	40.5	40.5	40.5
- OR >1		39.9	40.4	40.5	40.5	40.5	40.5	40.5
= DR >	34.2	39.9	40.5	40.6	40.6	40.6	40.6	40.6
TO	TAL 1579	1842	1871	1874	1874	1874	1874	1874

TOTAL NUMBER OF OBS: 4617 PCT FREQ NH <5/8: 59.4

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 08SCD OBS 12.4 9.7 12.6 13.0 11.4 8.8 9.6 9.8 12.8 * 4861

APRIL

0 0

5338

								A	PRIL							
PERIOD	(PRIMARY) 1 (OVER-ALL) 1	924-1973 856-1973						TA	8LE 8				ARE		31.7N	BLANCA SW 13.1W
			P	ERCENT	PREC 1	F WIN	D DIRE	CTION TH VAR	VS DCC	URRENC	E OR N	IBILIT	URRENC	E OF		
	VSBY (NM)		N	NE	E	SE	5	SW	W	NW	VAR	CALM	PCT	TOTAL		
	<1/2	PCP NO PCP	.0	.0	.0	.0	.0	.0	.0	•0	.0	.0	.0			
		TOT %	.0	.0	.0	.0	.0	*			.0	.0				
		PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			
	1/2<1	NO PCP		.1		.0	.0	.1		.0	.0	.0	.3			
		TOT %		.1		.0	.0	.1		.0	.0	.0	.3			
		PCP		.0	.0	.0	.0	.0	.0	.0	.0	.0				
	1<2	NO PCP			.0	.0	.0	.0	.0	.0	.0	.0				
		TOT %			.0	.0	.0	.0	.0	.0	.0	.0	.1			
		PCP				.0		.0	.1 *	.1	.0	.0	.7			
	2<5	NO PCP	.3	.2	.0	.0	*	*	*	.1	.0	.0	.7			
		TOT %	.4	• 2		.0	. 1	*	.1	• 2	.0	•0	.9			
		PCP	.2		.0		.1	.2	.2	. 4	.0	*	1.2			
	5<10	NO PCP	6.3	4.2	.3	.2	.3	.5	1.4	1.7	.0	.1	14.9			
		TOT %	6.5	4.2	.3	.2	.3	.7	1.4	2.0	.0	.1	16.1			
		PCP	.5	.1	.0			*	.2	.3	.0	.0	1.2			
	10+	NO PCP	33.6	22.4	1.1	.6	1.4	3.6	5.9	11.4	.0	1.5	81.4			
		TOT &	34.0	22.5	1.1	.6	1.4	3.7	6.1	11.7	.0	1.5	82.6			

TOT OBS TOT PCT 41.0 27.0 1.5 .8 1.9 4.5 7.8 13.9 .0 1.6 100.0

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD	N	NE	E	SE	s	SW	W	NW	VAR	CALM	PCT	TOTAL
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10		.0	.0	.0	.0	*	*	*	.0		.1	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %		.0	.0	.0	.0		*		.0	.0	•1	
	0-3	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	*	
1/2<1	4-10		.1	*	.0	. 5	.0	*	.0	.0		.1	
	11-21	*	.0	.0	.0	.0	*	.0	.0	.0		.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	*	.1	*	.0	.0	*	*	.0	.0	.0	• 2	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	4-10			.0	.0	.0	*	*	.0	.0		*	
	11-21			.0	.0	.0	*	*	*	.0		.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	*		.0	.0	.0		*		.0	.0	.1	
	0-3		.0		*	.0	.0	.0		.0	*	.1	
2<5	4-10	.1	.1	.0	.0	*	.1	*	.1	.0		.3	
	11-21	.2	.1	*	*	.0	.0		.1	.0		.5	
	22+	.1	.1	.0	.0	:	*		*	.0		.3	
	TOT %	.4	:1	*	*	*	.1	.1	.2	.0	*	1.1	
	0-3	.2	.1		*	*			.1	.0	.2	.7	
5<10	4-10	1.3	1.1	.2	.1	.1	.3	.6	.7	.0		4.5	
	11-21	3.4	2.4	.1	.1	.1	.4	.6	.8	.0		7.8	
	22+	.9	.8	*	.0	.1	.1	.3	.3	.0		2.5	
	TOT %	5.8	4.4	.4	.1	.4	.9	1.5	1.9	.0	.2	15.6	
	0-3	.7	.4	.1	.1	.2	.2	.4	.6	.0	1.7	4.5	
10+	4-10	11.5	6.5	.9	.3	. 8	2.0	3.5	5.8	.0		31.4	
	11-21	16.5	13.1	.7	.2	.5	2.0	2.5	4.4	.0		39.6	
	22+	2.4	2.7		*	.1	.4	.7	1.2	.0		7.5	
	TOT %	31.2	22.7	1.7	.7	1.5	4.3	7.2	12.0	.0	1.7	83.0	
	OT 085												7393
T	OT PCT	37.5	27.5	2.1	.8	1.9	5.3	8.8	14.1	.0	1.9	100.0	

PERIOD: (PRIMARY) 1924-1973 (OVER-ALL) 1856-1973

TABLE 10

AREA 0003 CASABLANCA SW 31.7N 13.1W

PERCENT	FREQUENCY	OF	CE	LING	HEIGHTS	(FEET, NH	>4/8)	AN

HOUR (GMT)	000	150 299	300 599	999	1000	2000 3499		5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL
00603	.1	.0	.5	5.0	14.4	9.6	4.3	1.0	.5	.6	35.9	64.1	1083
06609	.0	.1	.6	6.6	18.4	16.4	5.7	1.6	.3	.5	50.1	49.9	1141
12615	.1	.0	.2	3.6	13.2	11.9	5.3	1.5	.8	.5	37.0	63.0	1275
18621	.2	.1	.4	4.1	13.5	10.3	4.6	1.3	.7	.5	35.7	64.3	1250
TOT	.1	2	20	226	703	572	237	1.3	27	24	1879	2870	4749

TABLE 11

TABLE 12

		PERCENT	FREQUEN	CY VSBY	(NM)	RY HOUR		CUMULAT					VSBY (NM)	
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00603	.1	.2	.1	1.1	15.4	83.1	1661	EQ300	.1	.7	6.6	31.3	62.1	1035
06609	.1	.3	.1	1.3	17.7	80.4	2002	90360	.0	.7	8.6	42.8	48.6	1112
12615	•1	.1	.1	.8	13.7	85.2	1765	12615	•1	.3	4.3	33.7	62.0	1246
18621	.0	.1		1.1	15.6	83.1	2096	18621	.2	.7	5.7	31.2	63.1	1224
TOT	5	14	8		1177	6235	7524	TOT	4	27	287	1602	2728	4617

TABLE 13

						•				
	PERCI	ENT FR	EQUENC	Y OF R	ELATIV	E HUMI	DITY B	Y TEMP		
									TOTAL	PCT
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	DBS	FREQ
75/79	.0	.0	.0			.1	.0	.0	8	. 2
70/74	.0	.0	.1	.3	.7	.7	.1		84	2.0
65/69	.0		.1	1.0	5.0	8.4	6.4	2.3	995	23.2
60/64	.0		.2	2.8	14.8	24.4	17.6	5.8	2819	65.6
55/59	.0	.0		.7	2.5	2.8	1.9	.9	383	8.9
50/54	.0	.0	.0	.0	.0	.1	.1		7	.2
TOTAL	0	3	19	205	989	1570	1121	389	4296	100.0
PCT	.0	.1	.4	4.8	23.0	36.5	26.1	9.1		

TABLE 1

	PERCENT	FREG	UENCY	OF W	IND DI	RECTIO	N BY T	EMP	
N	NE	E	SE	\$	SW	W	NW	VAR	CALM
·1	.5	•0	.0	.1	.0	:1	.2	.0	.0
8.2	7.5	.3	.3	.7	1.5	1.9	2.6	.0	.2
29.0	18.2	.7	.3	.9	2.7	4.3	8.8	.0	.7
3.7	1.0	.2	.1	.2	. 3	.9	2.4	.0	.2
*	.0	.0	.0	.0	.0	.1		.0	*
41.8	27.2	.3	.7	1.9	4.6	7.3	14.1	.0	1.2

TABLE 15

	MEANS,	EXTREM	ES AND	PERCEN	TILES	OF TEN	P (DE	GF) B	Y HOUR
HOUR (GMT)	MAX	99%	95%	50%	5%	1%	HIN	MEAN	TOTAL
E0300	78	68	65	62	58	56	53	61.8	2067
90300	75	68	66	62	58	55	52	61.7	2803
12615	82	74	71	65	60	57	53	65.0	2107
18621 TOT	79	73 72	69	64	59 58	56 56	52 52	63.9	2870

	PERC	ENT FRE	QUENCY	OF RELA	TIVE H	YTIDITY	BY HOUR	
HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
60300	.0	3.0	18.9	37.0	30.4	10.6	77	1052
90300	.0	3.6	18.2	38.4	28.4	11.4	77	1082
12615	.0	9.5	30.9	32.7	20.5	6.4	73	1110
18621	.0	5.0	24.0	37.3	25.4	8.3	75	1150
TOT	0	234	1015	1597	1147	401	75	4394

APRIL

PERIOD: (PRIMARY) 1924-1973 (OVER-ALL) 1856-1973

TABLE 17

AREA 0003 CASABLANCA SW 31.7N 13.1W

AIR-SEA	49	53	57	61	65	69	73	77	81	TOT	W	WD
TMP DIF	52	56	60	64	68	72	76	80	84		FOG	FOG
20/22	.0	.0	.0	.0	.0	.0		.0	.0	1	.0	
17/19	.0	.0	.0	.0	.0	.0	.0	.0		2	.0	
14/16	.0	.0	.0	.0	*	.0	*	.0	.0	3	.0	.1
11/13	.0	.0	.0	.0	.0	*	.1		.0	9	.0	.2
9/10	.0	.0	.0		. 1	.1	.1	.0	.0	18	.0	.4
7/8	.0	.0	.0	. 1	.2	.6	.3	.0	.0	57	.0	1.2
6	.0	.0	.0	.1	.3	.3	*	.0	.0	36	*	.7
5	.0	.0	*	.2	.7	.7	*		.0	82	.0	1.7
4	.0	.0		.5	1.2	.5	.1	.0	.0	114	.0	2.3
3	.0	.0	.1	.9	1.9	.3	*	.0	.0	157	.0	3.2
2	.0	.0		2.3	4.4	.3	*	.0	.0	345	*	7.0
1	.0	.0	.3	4.0	4.4	.2	.0	.0	.0	434	.1	8.9
0	.0	.0	.5	10.3	4.0	.1	.0	.0	.0	723	.2	14.7
-1	.0		1.7	14.3	2.6	*		.0	.0	912	. 2	18.5
-2	.0		3.1	11.2	1.0	.1	.0	.0	.0	752	.2	15.3
-3	.0	. 1	4.0	5.8	.7	*	.0	.0	.0	516	. 1	10.5
-4	.0	.1	2.5	3.5	.2	.0	.0	.0	.0	308	*	6.3
-5	.0	. 2	2.1	2.0	.1	.0	.0	.0	.0	215	*	4.4
-6	.0	.2	.9	.4	.0	*	.0	.0	.0	75	.0	1.5
-7/-8	.0	.4	.6	. 5	*	.0	.0	.0	.0	77	.0	1.6
-9/-10	.0	. 1	.1	.1	*	.0	.0	.0	.0	18	.0	.4
-11/-13	.1	.1		. 1	.0	.0	.0	.0	.0	13	.0	.3
-14/-16	.0		.0	.0	.0	.0	.0	.0	.0	2	.0	*
TOTAL	3		780		1066		41		2		43	4826
		64		2749		161		3		4869		
PCT	.1	1.3	16.0	56.5	21.9	3.3	. 8	.1	*	100.0	.9	99.1

PERIOD: (DVER-ALL) 1963-1973

PERIOD:	OVE	R-ALL)	1963-1	973											
								TA	BLE 18						
				PC	T FREQ D	F WIND	SPEED	(KTS)	AND DIREC	TION V	ERSUS S	EA HEIG	HTS (FT)		
				N								NE			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.4	1.7	.2	.0	.0	.0	2.3		.2	.7	.1	.0	.0	.0	1.0
1-2	.3	7.1	3.8	.0	.0	.0	11.2		.2	2.5	2.4	.0	. 0	.0	5.1
3-4	.0	3.4	9.4	.6	.0	.0	13.4		.0	1.3	5.8	.6	.0	.0	7.7
5-6	.0	1.1	7.4	1.1	.0	.0	9.7		.0	.4	5.7	1.0	.0	.0	7.2
7	.0	.2	3.0	1.4		.0	4.7		.0		2.5	.9		.0	3.4
8-9	.0	.0	.6	.6		.0	1.3		.0	*	.9	.7	.0	.0	1.7
10-11	.0	.0	.3	.3	.0	.0	.6		.0	.0	.2	.4	.0	.0	.6
12	.0	.0	.1	.2	.0	.0	. 3		.0	.0	*	.1	.0	.0	.1
13-16	.0	.0	.0	.2	.1	.0	.3		.0	.0	*	.1	*	.0	.2
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	*	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0		0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	. C	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
TOT PCT	.7	13.5	25.0	4.5	.1	.0	43.8		.3	5.0	17.7	3.9	.1	•0	27.1
				E								SE			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0		.0	.0	.0	.0			.0			.0	.0	.0	.1
1-2	*	.2	.1	.0	.0	.0	.2		.0		.0	.0	.0	.0	*
3-4	.0	.1		.0	.0	.0	.1		.0		*	.0	.0	.0	*
5-6	.0	.0	.2	.0	.0	.0	.2		.0	.0	.1	.0	.0	.0	.1
7	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.1	.1	.0	.0	.2		.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	• 0	.0	.0		.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	•0	.0	.0		.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
49-60 61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
71-86		.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	•0	.0	.0		•0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	•0	.0	.0		.0	.0	.0	.0	.0	.0	.0
TOT PET		. 3	.4	.1	.0	.0	. 8		.0	. 1	.1	.0	.0	.0	.2

PERIOD:	COAEK			0 - 3					APR	16				ADEA	0003	CASABLA	NCA CL
			1903-1	7/3				TABLE	18 (CONT				AREA		7N 13	
				PC	T FREO D	WIND	SPEED	(KTS)	AND	DIREC	TION	VERSUS S	EA HEIG	HTS (FT)			
				5									SW				
	1-3	4-10	11-21	22-33	34-47	48+	PCT			1-3	4-10		22-33	34-47	48+	PCT	
<1	.1	.1	.0	.0	.0	.0	.2			.1	. 2		.0	.0	.0	.4	
1-2	.0	.2	:1	.0	.0	.0	.5			.0	1.1	.2	.0	.0	.0	1.4	
5-6	.0		.3	.1	.0	.0	:4			.0			*	.0	.0	.3	
7	.0		.1		.0	.0	.1			.0				.0	.0	.1	
8-9	.0	.0	.0		.0	.0				.0	.0			.0	.0	.1	
10-11	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
13-16	.0	.0	.0		.0	.0				.0	.0		.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
TOT PCT	- 1	.8	.5	.2	•0	.0	1.5			• 2	1.9	1.5	•1	.0	•0	3.7	
				W									NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT			1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.4	1.0	.1	.0	.0	.0	1.5			.5	. 8		.0	.0	.0	1.3	
1-2	.1	2.0	.3	.0	.0	.0	2.5			.1	3.3	.8	.0	.0	.0	4.3	
3-4	.0	.7	.8	.1	•0	.0	1.6			.0	1.7		. 1	.0	.0	3.9	
5-6	.0	.1	.7	.2		.0	1.0			.0	.1		. 7	*	.0	2.3	
7	.0	.1	.1	.1	.0	.0	.2			.0	*		.2	.0	.0	. 8	
8-9	.0		*	.2	.0	.0	.2			.0	.0		.2	.0	.0	.5	
10-11	.0	.0	*	.1	•0	.0	.1			.0	.0		.2	.0	.0	.4	
12	.0	.0	.0	.0	.0	.0	.0			.0	.0		.1	.0	.0	.1	
13-16	.0	.0	.0	.0	.0	.0	.0			.0	.0		.1	.0	•0	.1	
17-19 20-22	.0	.0	.0	.0	•0	.0	.0			.0	.0		.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0			.0	.0		.1	.0	.0	.1	
26-32	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
TOT PCT	.5	3.9	2.0	.7		.0	7.1			.6	5.9	5.5	1.7	*	.0	13.7	97.9

	WIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	4.0	4.9	.5	.0	.0	.0	9.4	000
1-2	.9	16.6	7.7	.0	.0	.0	25.2	
3-4	+1.	7.8	18.9	1.6	.0	.0	28.3	
5-6	.0	1.7	16.0	3.1		.0	20.9	
7	•0	.4	6.2	2.6	.1	.0	9.2	
8-9	•0	.1	2.0	1.8		.0	4.0	
10-11	•0	.0	• 7	1.0	.0	.0	1.6	
12	• 0	.0	.1	.4	.0	.0	.6	
13-16	.0	.0	*	.5	.1	.0	.6	
17-19	.0	.0	.0	*	.0	.0	*	
20-22	•0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.1	.0	.0	.1	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	• 0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								2860
TOT PCT	5.0	31.5	52.2	11.1	.2	.0	100.0	

PERIO): (OV	ER-ALL	194	9-1973	3				TABLE :	19											
					PERCENT	FRE	QUENCY C	F WA	VE HEIGH	HT (F	T) VS	WAVE P	ERIDO	(SECON	051						
PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN
6-7	1.0	5.4	8.2	6.3	5.3	3.2	2.0	• 1		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	921 866	6
8-9	.0	.5	2.1	3.8	4.3	3.1	2.1	.8	.7	•1	.0	.1	.0	.0	.0	.0	.0		.0	648 284	7
12-13 >13	.0	.0	.5	.7	.7	.7	.4	.3	.3	.1	*	.0	.0	.0	.0	.0	.0		.0	137	8
INDET	1.8	353	746	3.6	676	2.0		95		15	.0	•0			.0	.0			.0	731	5
PCT	2.8		20.5	23.8	18.6			2.6		. 4	-1	. 1	-0	- 0	-0	-0	.0	-0	- 0	100.0	

MAY

PERIOD:	(PRIMARY)	1923-1973
	(DVER-ALL)	1855-1972

TABLE 1

AREA 0003 CASABLANCA SW 31.7N 13.1W

0 8

PERCENT	FREGUENCY	DE	WEATHER	DCCURRENCE	RY	WIND	DIRECTION

			p	RECIPI	TATIO	N TYPE					DTHER	WEATHER	PHENO	MENA	
WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE		NO SIG WEA
N NE	:3	.3	.5	.0	.0	•0	.0	1.0	.5	.0	1.0	.0	1.3	:0	96.2
E SE	.0	.0	.0	.0	.0	• 0	.0	.0	1.2	.0	2.6	.9	4.0	.0	91.3
S	6.9	2.9	1.2	.0	.0	•0	.0	12.6	1.6	.0	2.5	.6	2.3		92.8
SW	1.1	2.3	1.8	.0	.0	.0	.0	5.2	3.6	.1	2.8	.0	.4	.0	87.8
NW	1.5	2.4	.2	.0	.0	•0	.0	1.1	1.6	.3	1.5	.0	.2	.0	89.6
CALM	.0	1.3	.0	.0	.0	•0	.0	1.3	.0	.0	5.3	1.3	5.3	.0	86.8
												1.5			
TOT DBS:	5485	• 6	.5	.0	.0	•0	.0	1.4	.9	.1	1.4	.1	1.2		94.7

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			P	RECIPI	TATIO	TYPE					DTHER	WEATHER	PHENO	MENA	
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FREN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR	FOG WO PCPN	FOG WO PCPN PAST HR		SPRAY BLWG DUST BLWG SNUW	ND SIG WEA
00803 06809 12815 18821	.2 .8 .2	1.0 .6 .3	1.1 .4 .0	.0	.0	•0	.0	1.2 2.8 1.3	1.4 1.0 .5	.6 .1 .0	1.5 1.5 .9 1.8	.0 .1 .1	1.1 1.0 1.4 1.5	.1 .0 .1	94.8 93.0 95.2 95.7
TOT PCT	5605	•6	.5	.0	.0	•0	.0	1.4	.9	• 2	1.4	•1	1.2		94.7

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		WI	ND SPE	ED (KN	DTS)								HOUR	(GMT)			
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	FREQ	MEAN	00	03	06	09	12	15	18	21
N NE	1.5	14.8	19.7	3.9	.2	.0		40.1	13.0	41.0	41.7	40.1	38.6	39.2	65.0 27.1	41.8	36.7
E	. 2	.9	. 4	*	*	.0		1.5	9.0	1.5	1.3	1.3	1.3	1.7	2.4	1.5	1.3
SE	.2	.4	. 2	*	.0	.0		. 8	7.3	.9	1.0	.6	. 8	1.0	. 2	.6	. 7
S	.2	1.0	.4	*	.0	.0		1.6	8.8	1.5	1.3	1.6	1.5	1.9	2.3	1.9	1.0
SW	.2	2.4	1.3	.1	*	.0		4.0	9.9	3.3	3.3	4.6	4.0	4.5	2.3	3.9	4.2
W	.6	5.0	2.5	.2	*	.0		8.3	9.6	8.0	9.8	8.1	7.5	8.0	10.6	8.7	8.9
NW	1.0	7.5	3.7	.5	*	.0		12.7	9.6	12.0	7.9	12.7	12.2	12.3	8.9	12.9	15.9
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.7				•	-		1.7	.0	2.1	1.5	1.9	1.8	1.9	1.4	1.4	1.3
TOT OBS	653	4230	4548	928	38	0	10397		12.2	2017	130	1992	960	2127	144	2067	960
TOT PCT	6.3	40.7	43.7	8.9	.4	.0		100.0			100.0		100.0	100.0			100.0

TABLE 3A

WND DIR	0-6	WIND 7-16	SPEED 17-27	(KNDTS) 28-40	41+	TOTAL	PCT FREQ	MEAN SPD	00	HDUR 06 09	(GMT) 12 15	18
N NE	5.9	22.6	10.6	1.0	*		40.1	13.0	41.1	39.6	39.6	40.2
E	.6	. 8	.1	*	.0		1.5	9.0	1.5	1.3	1.8	1.5
S E	.4	.3	*	.0	.0		. 8	7.3	.9	.6	. 9	. 6
S	.6	.9	.1	.0	.0		1.6	8.8	1.5	1.5	1.9	1.7
SW	1.3	2.3	.5	*	*		4.0	9.9	3.3	4.4	4.3	4.0
W	2.7	4.6	.9	.1	*		8.3	9.6	8.2	7.9	8.1	8.8
NW	4.2	7.0	1.3	.1	*		12.7	9.6	11.8	12.6	12.1	13.8
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	-0
CALM	1.7						1.7	.0	2.0	1.8	1.8	1.4
TOT OBS	2174	5587	2375	252	9	10397		12.2	2147	2952	2271	3027
TOT PCT	20.9	53.7	22.8	2.4	. 1		100.0		100.0	100.0	100.0	100.0

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE N C F/G 4/2 SUMMARY OF SYNOPTIC METEOROLOGICAL OBSERVATIONS (SSMO). WEST AF--ETC(U) NOV 76 AD-A031 778 UNCLASSIFIED NL 3 OF 7 ADA031778

PERCENTAGE	FREGUENCY	O.F	MIND	SPEED	AV	HOUR	(CMT)

CALM	1-3	4-10			KNOTS) 34-47	48+	MEAN	PCT	TOTAL
2.0	4.1	40.9	44.1	8.5	.3	.0	12.1	100.0	2147
1.8	4.8	42.4	42.3	8.2	.4	.0	11.8	100.0	2952
1.8	4.6	39.1	43.9	10.2	.3	.0	12.4	100.0	2271
1.4	4.5	40.0	44.7	9.0	.4	.0	12.3	100.0	3027
181	472	4230	4548	928	38	0			10397
1.7	4.5	40.7	43.7	8.9	.4	.0	-	100.0	
	2.0 1.8 1.6 1.4	2.0 4.1 1.8 4.8 1.8 4.0 1.4 4.5 181 472	2.0 4.1 40.9 1.8 4.8 42.4 1.8 4.0 39.1 1.4 4.5 40.0 181 472 4230	2.0 4.1 40.9 44.1 1.8 4.8 42.4 42.3 1.8 4.6 39.1 43.9 1.4 4.5 40.0 44.7 181 472 4230 4548	2.0 4.1 40.9 44.1 8.5 1.8 4.8 42.4 42.3 8.2 1.8 4.0 39.1 43.9 10.2 1.4 4.5 40.0 44.7 9.0 161 472 4230 4548 928	2.0 4.1 40.9 44.1 8.5 .3 1.8 4.8 42.4 42.3 8.2 .4 1.8 4.0 38.1 43.9 10.2 .3 1.4 4.5 40.0 44.7 9.0 .4 181 472 4230 4548 928 38	CALM 1-3 4-10 11-21 22-33 34-47 48+ 2.0 4.1 40.9 44.1 8.5 .3 .0 1.8 4.8 42.4 42.3 8.2 .4 .0 1.8 4.0 30.1 43.9 10.2 .3 .0 1.4 4.5 40.0 44.7 9.0 .4 .0 181 472 4230 4548 928 38 0	CALH 1-3 4-10 11-21 22-33 34-47 48+ MEAN 2.0 4.1 40.9 44.1 8.5 .3 .0 12.1 1.8 4.8 42.4 42.3 8.2 .4 .0 11.8 1.6 4.0 39.1 42.9 10.2 .3 .0 12.4 1.4 4.5 40.0 44.7 9.0 .4 .0 12.3 181 472 4230 6548 928 38 0 12.2	CALM 1-3 4-10 11-21 22-33 34-47 48+ MEAN FREQ 2.0 4.1 40.9 44.1 8.5 .3 .0 12.1 100.0 1.8 4.8 42.4 42.3 8.2 .4 .0 11.8 100.0 1.8 4.0 33.1 43.9 10.2 .3 .0 12.4 100.0 1.4 4.5 40.0 44.7 9.0 .4 .0 12.3 100.0 181 472 4230 4548 928 38 0 12.2

TABLE 5

TABLE 6

,	PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION MEAN												CEILIN NH <5/					
WND DIR	0-2	3-4	5-7	8 & 085CD	TOTAL	CLOUD	000 149	150	300 599	600 999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	
N	11.4	9.4	15.2	8.0		4.6		.1	.6	2.4	7.4	4.8	2.8	.5	.2	.4	24.9	
NE	8.7	5.1	9.5	3.8		4.2		.0	.2	1.3	4.0	3.3	1.3	.3	.1	.3	16.3	
E	.6	.2	.4	.2		3.8	.0	.0		.1	.1	.1	.1		.0		1.0	
SE	.2	.1	.2	.2		4.5	.0	.0	.0	.1					.0	.0	.4	
S	.7	.5	.5	.4		4.2	.0	.0	.0	.1	.2	.2	.1		.0	.0	1.6	
SW	1.2	1.0	1.2	.5		4.2		.0		.2	.3	.4	.2				2.7	
	2.2	2.3	2.1	1.0		4.2			.1	. 3	.7	.7	.3	.0		.1	5.4	
NW	3.3	3.1	3.6	1.5		4.1				.6	1.4	.7	.7	.1		.1	7.8	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALH	.5	.3	.4	.3		4.0		.0		.1	.1	.2		.0	.1		.9	
TOT OBS	1305	998	1502	723	4528	4.3	7	5	40	235	649	472	253	46	23	41	2757	4528
TOT PCT	28.8	22.0	33.2	16.0	100.0		.2	.1	.9	5.2	14.3	10.4	5.6	1.0	.5	.9	60.9	100.0

....

CUMULATIVE PCT FREQ	OF SIMULTANFOUS	DCCURRENCE
OF CEILING HEIGHT	(NH >4/8) AND VS	BY (NM)

					VSBY (NE	()			
	EILING	- CR	- OR	- DR	- DR	- OR	. DR	- DR	. DR
(1	FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
	>6500	1.1	1.5	1.5	1.5	1.5	1.5	1.5	1.5
OR	>5000	2.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5
OR	>3500	6.7	7.9	8.1	8.1	8.1	8.1	8.1	8.1
	>2000	15.1	18.2	18.5	18.5	18.5	18.5	18.5	18.5
	>1000	27.0	32.3	32.7	32.8	32.8	32.8	32.8	32.8
DR	>600	31.1	37.3	37.8	37.9	37.9	37.9	37.9	37.9
	>300	31.7	38.1	38.7	38.8	38.8	38.8	38.8	38.8
OR	>150	31.7	38.2	38.8	38.9	38.9	38.9	38.9	38.9
OR	> 0	31.7	38.3	38.9	39.0	39.0	39.0	39.0	39.0
	TOTAL	1458	1760	1789	1791	1791	1791	1794	1794

TOTAL NUMBER OF OBS: 4595

PCT FREQ NH <5/8: 61.0

TABLE 7/

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	OBS
13.7	10.8	13.5	12.2	10.1	6.8	8.6	10.2	13.9	.1	4822

								MAY					
PERIOD: (PRIMARY) 1							TA	BLE 8				ARE	A 0003 CASABLANCA :
		,	ERCENT						ALUES I			URRENC	E OF
VSBY (NM)		N	NE	E	SE	s	SW	w	NW	VAR	CALM	PCT	TOTAL OBS
<1/2		.0	.0	:0	:0	.0	.0	.0	.0	:0	.0	:0	
	TOT %	.0	•	.0	.0	•				.0		.1	
1/2<1	NO PCP	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.2	
	PCP	•		1.00							.0		
1<2	NO PCP	.1	.1	.0	.0	.0	:	:	•	.0	:	.2	
	PCP		.0			.0	.0		.0		.0	.1	
2<5	NO PCP	.5	.5	:1	.0	:	.0 .1 .1	:	.0 .1 .1	.0	:1	1.4	
5<10	PCP ND PCP	7.7	5.3	.0		:	1	1.6	. 1	.0		7	
3010	TOT &	8.0	5.4	.3	.2	.6	1.0	1.7	2.0	:0	.3	18.9	
10+	PCP NO PCP	34.3	20:7	1.2	:5	1.7	3:0	6:1	9.3	:0	:0	77:8	
	TOT S	34.5	20.8	1.2	.6	1.7	3.1	6.3	9.3	.0	.9	78.4	
	TOT PCT	43.1	26.8	1.6	. 8	2.3	4.4	8.1	11.6	.0	1.4	100.0	5478

TABLE 9

						-							
VSBY (NM)	KTS	N	NE	Ε	SE	S	SW		NW	VAR	CALM	PCT	TOTAL
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0			
(1/2	4-10	.0		.0	.0			.0	.0	.0			
	11-21	.0		.0	.0	.0	.0	.0	.0	.0			
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0		.0	.0			.0	.0	.0	*	.1	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	4-10			.0	.0	.0			.1	.0		.1	
	11-21	.0	.0	.0	.0	.0	.0		.0	.0			
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT \$.0	.0	.0			.1	.0	.0	-1	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0			
1<2	4-10			.0	.0	.0				.0		.1	
	11-21			.0	.0	.0	.0	.0		.0		.1	
	22+	.0	.0	.0	.0	.0				.0			
	TOT #	.1	.1	.0	.0	.0				.0		.2	
	0-3			.0			.0	.0		.0	.1	.2	
2<5	4-10	.2	.1	.1				.0	.1	.0		.5	
	11-21	.2	.2		.0		:	:	.1	.0		.5	
	22+	.2	.1	.0	.0	.0	:	:	•	.0		.3	
	TOT %	.5	.5	.1		•			.2	.0	.1	1.6	
	0-3	1	1	.1	*	.1	:1	1	.1	.0	.3	9	
5<10	4-10	2.5	1.2	.2	.1	.2	.5	1.0	1.0	.0		6.7	
	11-21	3.5	2.5	.1	.1	•1	.3	.5	.7	.0		7.7	
	22+	1.3	1.1	.0	.0		.9	.1	.1	.0		2.6	
	TOT %	7.4	4.9	.3	.2	.4	.9	1.5	1.9	.0	.3	17.9	
	0-3	1.1	6.8	·1	.1	•1	2	3:7	.5	.0	1.1	32.8	
10+	4-10	17.4	0.0	.7	.3	.9	1.7	3.1	6.2	.0			
	11-21		12.7	.3	.2	.4	1.0	2.0	2.7	.0		36.7	
	22+	2.9	3.0	. :	.0	. :	1	1	.3	.0		6.4	
	TOT \$	33.9	23.0	1.2	.6	1.4	3.0	6.2	9.6	.0	1.1	80.1	
	TOT 085												7760

MAY

PERIOD: (PRIMARY) 1923-1973 (OVER-ALL) 1855-1973

TABLE 10

AREA 0003 CASABLANCA SW 31.7N 13.1W

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND

HOUR (GHT) 00603 90300 1.2 51.1 12615 .8 4.8 12.3 10.7 5.2 1.2 1.0 36.7 63.3 1255 .1 18621 .2 .1 .4 4.2 11.5 8.4 5.3 .3 .7 31.4 68.6 1225 .2 TOT PCT 7 5 40 238 658 479 258 48 24 .1 .1 .8 5.1 14.0 10.2 5.5 1.0 .5 2909 4710 61.8 100.0

TABLE 11

TABLE 12

		PERCENT	FREQUEN	CY VSBY	(NM)	BY HOUR		CUMULAT	TVE PCT	FREQ G HGT	OF RAN	GES OF NH >4/8	VSBY (NM)	AND/OR
HOUR (GHT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS	HOUR (GMT)	<150 <50Y0	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00603	.1	.1	.1	1.7	17.7	80.3	1727	00603	1	1.1	7.3	29.4	63.3	1022
06609	.1	.1	.1	1.7	21.2	76.7	2112	90300	.2	1.8	10.4	42.5	47.1	1140
12615	.1	.1	.4	1.2	15.5	82.6	1851	12615	.1	1.0	6.5	31.1	62.4	1230
18621		.2	.1	1.7	17.7	80.3	2191	18621	.2	.7	6.3	26.4	67.3	1203
TOT	6	11	15	125	1426	6298	7881 100.0	TOT	7	53		1484	2762	4595

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						-														
	PERC	ENT FR	EQUENC	Y OF R	ELATIV	E HUMI	DITY B	Y TEMP	TOTAL	PCT		PERC	ENT FRE	QUENC	Y OF W	IND DI	RECTIO	N BY T	EMP	
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100		FREQ	N	NE	E	SE	S	SW	W	NW	VAR	CALM
85/89		.0	.0	.0	.0	.0	.0	.0	1			.0	.0	.0	.0	.0	.0	.0	.0	.0
80/84	.0	.0	.0	.0	.0		.0	.0	1			.0	.0	.0	.0	.0	.0	.0	.0	.0
75/79	.0	.0	.1	.1		.1	.1		21	.5	.2	.1			.1		.0		.0	.0
70/74	.0			.6	1.9	2.6		.4	310	7.0	2.8	1.7	.2		.3	.3	.7	.7	.0	.2
65/69	.0	.0	.0	.7	9.1	15.5	16.1	6.7	2141	48.2	20.7	13.1	.9	.5	1.1	2.4	3.9	4.9	.0	.6
60/64	.0	.0		.6	8.6				1949	43.9	19.8	11.8	.5	.2	.4	1.3	3.7	5.8	.0	.4
55/59	.0			.0	.2	.1	2		21	.5	.2	.1	.0	.0	.0	.1		.1	.0	
TOTAL	1	0	6	89	880	1496	1416	556		100.0										
PCT		.0	.1	2.0	19.8	33.7	31.9	12.5			43.7	26.7	1.6	.8	1.9	4.1	8.3	11.6	.0	1.3
								The state of the s												

TABLE 15

	HEANS,	EXTREM	ES AND	PERCE	TILES	OF TE	AP (DE	G F) 8	Y HOUR		PERC	ENT FRE	QUENCY	OF RELA	TIVE H	UMIDITY	8Y HOU	R
HOUR (GMT)	MAX	99%	95%	50%	5%	1*	HIN	MEAN	TOTAL OBS	HOUR (GHT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
00603	79	70	67	64	60	58	50	63.7	2163	60300	.0	.9	13.9	31.6	37.0	16.7	80	1049
90300	76	71	68	64	60	58	52	63.8	2942	06609	.0	1.0	15.7	32.4	33.9	17.0	79	1132
12615	87	76	73	67	63	61	51	67.2	2220	12615	.0	4.5	28.5	34.5	25.9	6.6	75	1161
18621	85	75	72	66	62	60	51	66.1	2967	18621	.1	2.0	20.2	35.7	30.8	11.2	77	1188
TOT	87	74	71	65	61	59	50	65.2	10292	TOT	1	96	895	1522	1439	577	78	4530

MAY

PERIOD: (PRIMARY) 1923-1973 (OVER-ALL) 1855-1973

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TABLE 17

AREA 0003 CASABLANCA SW 31.7N 13.1W

0 0

PCT	FREQ	OF A	IR T	EMPER	ATURE VS AIR	(DEG	F) AN TEMPE	D THE	OCCU E DIF	RRENCE FERENCE	OF FOG (WITHO	UT PRECIPITATI	(NO
AIR-SEA TMP DIF	49 52	53 56	57	61	65	69 72	73 76	77 80	81 84	85 88	тот	FOG	WO FOG	
20/22	.0	.0	.0	.0	.0	.0	:0	.0	.0		1	.0		
17/19	.0	.0	.0	.0	.0		.0	.0	.0	.0	1	.0		
14/16	.0	.0	.0	.0	.0	.0				.0	4	.0	.1	
11/13	.0	.0	.0			.1	.1	.2	.0	.0	23	.0	.5	
9/10	.0	.0	.0			:1	:2		.0	.0	21	.0	.4	
7/8	.0	.0	.0		.2	.5	.5	.0		.0	60		1.2	
6	.0'	.0	.0		.2	.7	.3	.0	.0	.0	58		1.1	
5	.0	.0	.0	.1	.6	1.4	.4	.0	.0	.0	130		2.5	
4	.0	.0	.0	.2	1.5	1.6	.2	.0	.0	.0	173		3.4	
3	.0	.0		.3	2.7	1.5	.1	.0	.0	.0	232	.1	4.5	
2	.0	.0		.9	5.5	1.2		.0	.0	.0	385	.1	7.5	
1	.0	.0		2.2	8.5	1.0		.0	.0	.0	594	.2	11.5	
0	.0	.0	.2	5.8	10.5	.7	.1	.0	.0	.0	868	.4	16.8	
-1	.0	.0	.2	11.1	7.9	.3	.1	.0	.0	.0	984	.3	19.2	
-2	.0	.0	.4	10.0	3.4	.1	.0	.0	.0	.0	693	.2	13.6	
-3	.0		.5	5.0	1.6	.1	.0	.0	.0	.0	365	.1	7.2	
-4	.0	.0	.6	3.1		.1		.0	.0	.0	229		4.5	
-5	.0	.0	.3	1.9	.4		.0	.0	.0	.0	134	.0	2.7	
-6	.0	.0	.2	*.4	.1			.0	.0	.0	38	.0	.8	
-7/-8	.0		.1	.3		.0		.0	.0	.0	28	.0	.6	
-9/-10		.1				.0	.0	.0	.0	.0	10	.0	.2	
-11/-13	.0	·i	.0		.0	.0	.0	.0	.0	.0	5	.0	.1	
-14/-16		.0	.0	.0	.0	.0	.0	.0	.0	.0	2	.0		
-17/-19		.0	.0	.0	.0	.0	.0	.0	.0	.0	ī	.0		
TOTAL		.0	133	.0	2214	.0	104	.0	.0		San de Co	81	4958	
TOTAL		10	133		2210		10-				5039	9.1	4770	
PCT	•1	10	2.6	2092	43.9	9.3	2.1	12			100.0	1.6	98.4	

PERIOD: (OVER-ALL) 1963-1973

				P	T FREQ	ON MIND	SPEED	(KTS)	AND DIRE	CTION V	ERSUS S	EA HEIG	HTS (FT)	100	
HGT	1-3	4-10	11-21	N 22-33	34-47	48+	PCT		1-3	4-10	11-21	NE 22-33	34-47	48+	PCT
<1	.4	1.9	11-21	.0	.0		2.6		.3	.6	11-21		.0	.0	1.0
1-2	:4	6.2	3.9	.0	.0	.0	10.6		:1	3.9	2.2	.0	:0	:0	6.2
3-4		3.1	9.3	.5	.0	.0	12.9		.0	1.7	5.7	.7	.0	.0	8.1
5-6	.0	1.0	6.2	1.1		.0	8.2		.0	.3	5.3	1.1		.0	6.7
7	.0	.1	3.0	1.4		.0			.0	:1	2.0	1.6		.0	3.7
8-9	.0	.0	1.2	1.1	.0	.0	2.2		.1		1.0	1.4	.1	.0	2.5
10-11	.0	.0	.3	.5	.0		2.2		.0	.0	.3	.7	.0	.0	4.5
12	.0	.0	:1	.3	.1	.0			.0		.3	.2	.0	.0	.9
13-16	.0	.0		.3			.5		.0	.0	.1	.3	.0	.0	.2
17-19	.0		.1	.0		.0	• • •					.,			• • •
20-22	:0	.0	.0	:0		.0	.1		.0	.0	.0	.0	.0	.0	:1
23-25	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0
26-32	:0	.0	.0	.0	.0	.0	.0		.0		.0	.0	.0		.0
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0		.0	.0		.0			.0	.0		.0
61-70	.0	.0	.0	.0	:0	.0	.0		.0	.0	.0	:0	.0	.0	.0
71-86	.0	.0	.0	.0	.0				.0	.0	.0	.0	.0	.0	.0
/1-00	.0	.0	.0	.0	.0	.0	.0		.0		.0	.0	.0	.0	
TOT PCT	.8	12.4	24.3	5.2	.3	.0	43.0		.5	6.6	16.5	5.9	.1	.0	29.6
101 701		12.4	24.5	3.2	.,	.0	43.0		.,	0.0	10.5	3.7		.0	27.0
				•								SE		5	
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.3	.0	.0	.0	.0	:8			.1		.0	.0	.0	.1
1-2		.6	.2	.0	.0	.0	. 8		.0	.3	.1	.0	.0	.0	.4
3-4	.0	.2	.2		.0	.0	.4		.0	.0	.1	.0	.0	.0	.1
5-6	.0	.0	.1		.0	.0	-1		.0		.1	.0	.0	.0	.2
8-9	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
23-25	.0	0	.0	0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0		0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	-0	.00		.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
TOT PCT		1.1	.4	.1	.0	.0	1.6			.4	.3	.0	.0	.0	.8

PER100:	COVE	-ALL)	1963-1	1973				TABLE 1	MAY B (CONT)				AREA	0003	ASABLA	NCA SI
				PC	T FREQ C		SPEED	(KTS) A	ND DIREC	TION	ERSUS S	EA HEIG	HTS (FT			
HGT	1-3	4-10	11-21	5 22-33	34-47	484	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	.1	.2	.0	.0	.0	.0	.3		1.1	.3	.0	.0	.0	.0	.5	
1-2	.1	:	.3	.0	.0	.0	1.2			.,	.3	.0	.0	.0	1.3	
3-4	.0	.2	.2	.0	.0	.0			.0	.5	.5	.0	.0	.0	1.0	
5-6	.0		.3		.0	.0			.0		.5		.0	.0	.6	
7	.0			.0	.0	.0	.1		.0		.1	.1	.0	.0	.2	
8-9	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0	.1	
10-11	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0		
12	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
11-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
9-60	.0	.0	.0	.0	.0	.0	:0		.0	•0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	:0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
DT PCT	.2	1.2	.8		.0	.0	2.3		.2	1.8	1.6	.1	.0	:0	3.7	
HGT	1-3	4-10	11-21	22-33	34-47	40+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTA
<1	.3	.5		.0	.0	.0			.2	1.0		.0	.0	.0	1.2	4 000
1-2	.2	2.4	.6	.0	.0	.0	3,2		.2	3.8	.7	.0	.0	.0	4.7	
3-4	.0	.9	.8	.0	.0	.0	1.7			1.2	1.5		.0	.0	2.8	
5-6	.0	.1	1.1		.0	.0	1.3		.0	.1	.7	.1	.0	.0	.9	
7	.0	.0	.2	.1	.0	.0	.3		.0	.0	.2		.0	.0	.2	
8-9	.0	.0	.3	.0	.0	.0	.3		.0	.0	.1	.1	.0	.0	.1	
10-11	.0	.0	.1	.0	.0	.0	.1		.0	.0			.0	.0	.1	
12	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0		.0	.0	.0			.0	.0	.0	.0		.0		
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0		.0	•0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
	.0	.0	.0	.0	.0	.0	:0		.0	.0	.0	.0	.0	.0	.0	
							• •									
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	

	MIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	3.4	5.0	.3	.0	.0	.0	8.8	
1-2	1.2	18.9	8.2	.0	.0	.0	28.3	
3-4	•1	7.7	18.1	1.2	.0	.0	27.1	
5-6	.0	1.5	14.2	2.4	.1	.0	18.2	
7	.0	.2	5.5	3.2		.0	8.9	
8-9	.1	.0	2.5	2.5	.1	.0	5.1	
10-11	.0	.0	.7	1.2		.0	1.9	
12	.0	.0	.1	.5	.1	.0	.7	
13-16	.0	.0	.1	.6	.1	.0		
17-19	.0		.1			.0	.2	
20-22	•0	.0	.0	.0		.0		
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	•0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
		••						2917
TOT PCT	4.0	22.4	40.8	11 4	4		100.0	• • • •

PERIOD	: (OV	ER-ALL	194	9-197	,				TA	BLE 1	9											
					PERCENT	FRE	OUENCY	OF 1	AVE	HEIGH	T (FT) VS	WAVE P	ERIOD	(SECON	DS)						
PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	1	2 13	-16 1	7-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
60-7	1.4	7.9	10.1	5.8	3.6	1.3	1:5		1	.5	•1	:0	.0	:0	:0	:0	.0	:0	:0	.0	1073 873	:
8-9 10-11	.0	:5	1.6	3.7	3.7	2.8	1.3		6	.5	:1	.1		.0		:0	.0		.0	.0	527 266	7
12-13	.0	.0	.7	.9	.6	.6	:1		3	.3	.:	.0	.0	.0		.0	.0	.0	.0	.0	136	10
TOTAL	117	3.9	784	790	630	368	222		3	÷3	13	.0	.0	.0	.0	.0	.0	.0	.0	.0	3610	5
PCT	3.1	14.0	21.7	21.9	17.5	10.2	6.1	2	.7	2.2	.4	.1	.1		.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1923-1973 (OVER-ALL) 1861-1973

TABLE 1

AREA 0003 CASABLANCA SW 31.7N 13.1W

DEBACHT	ERECUENCY		UPATUES	Decilonence		-	
PERCENI	PREQUENCT	UF	MENIMER	DCCURRENCE	B T	WIND	DIRECTION

			,	RECIPI	TATIO	TYPE					OTHER	WEATHER	PHENO	HENA	
WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNDW	NO SIG WEA
N.	:1	::	:5	:0	:0	:0	.0	1:0	:9	:1	3.6	•1	2.1		92.4
E	9.1	1.8	1.3	.0	.0	.0	.0	11:7	4.7	1.3	2.4	.0	1.8	.0	87.1
5	4.6	4.0	.9	.0	.0	.0	.0	9.5	3.4	.9	1.2	.0	.0	.0	85.0
SW	::	2.4	1.2	.0	:0	•0	.0	1.9	4.3	.0	1.2	:0	1.8	.0	91.4
VAR	.2	.6	1.3	.0	.0	.0	.0	2.0	1.8	.1	1.5	.0	3.9	.0	90.7
CALM	1.0	•0	1.0	.0	:0	•0	.0	2.0	.0	:0	7.1	:0	3.1	.0	87.8
TOT PCT	5029	.6	.6	.0	.0	.0	.0	1.6	1.2	.1	2.8		2.3	•	91.9

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			,	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHENO	MENA	
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HATL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	NO SIG WEA
00603 06609 12615 18621	.2 .7 .3 .2	1.2	1.0	.0	.00	.0	.0	1.1 2.9 1.4	1.0	.1 .5 .0	2.2 3.3 2.9 3.3	:1 :1 :0 :0	2.0 1.6 2.5 2.9	.0 .0 .0	93.5 90.3 91.9 92.0
TOT PCT	5164		.6	.0	.0	•0	.0	1.6	1.1	.1	2.9		2.2	•	91.9

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WND DIR	0-3			ED (KN 22-33		48+	TOTAL	PCT	MEAN	00	03	06	HDUR 09	(GMT)	15	18	21
							085	FREQ	SPD					••			
Ne NE	1.5	20.7	23.8	3.2	.1	.0		49.3	12.1	49.2	40.0	50.2			60.6	50.4	
	.1	.5	.2	2.3	.0	.0		.9	6.5	24.7	22.9	1.0		26.7	21.6	25.0	29.0
SE		.2	.1		.0	.0		.3	0.2	.3	.0	.5	.4	.2	.0	.2	.2
5	.1	.5	.4		.0	.0		1.1	10.0	1.2	.0	1.3	.4	1.4	.0	1.1	.4
SW	.3	1.8	1.1		.0	.0		3.2	9.2	3.5	3.5	3.0	2.9	3.9	2.5	3.0	2.7
	.7	3.0	1.3		•	.0		5.9	7.9	6.5	8.7	5.3	6.0	5.7	7.0	3.6	5.9
NW	1.0	7.7	2.9	.1	.0	.0		11.7	8.6	12.0	13.0	11.8	11.2	10.0	7.6	12.5	13.3
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.6							1.6	.0	1.8	1.6	2.2	.7	1.8	.7	1.4	.9
TOT OBS	600	4193	4223	553		0	9577		11.4	1838	129	1874	916	1939	139	1881	861
TOT PCT	6.3	43.8	44.1	5.0	.1	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE SA

					1000							
WND DIR	0-6			(KNOTS) 28-40	41+	TOTAL Des	PCT	MEAN SPO	00	HDU1 06 09	12 15	18
Ne NE	3:3	30.3	10.5	:	:0		49.3	12:1	49.2	40.7	50.2	49.2
•	.4	.4	.1		.0		.9	8.5		.9		
SE	:2	.1		.0	.0		.3	8.2	.3	.5	.2	.2
	.3	.6	.1		.0		1.1	10.0	1.1	1.0	1.3	.9
SW	1.1		.3		.0		3.2	9.2	3.5	2.9	3.8	
	2.7	2.0	.3		.0		5.9	7.9	6.7	5.6	5.8	5.7
NW	4.2	0.9	.5		.0		11.7	8.6	12.1	11.6	9.8	12.8
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	1.6						1.6	.0	1.0	1.7	1.7	1.2
TOT OBS	2092	5512	1006	87	0	9577		11.4	1967	2790	2078	2742
TOT PCT	21.4	57.4	19.7	.9	.0		100.0		100.0	100.0	100.0	100.0

.1			

PERIOD:	(PRIMARY)	1923-1973
	INVER-ALL	1841-1070

AREA 0003 CASABLANCA SW 31.7N 13.1W

DESCENTACE	EREQUENCY	DE	MIND	CDEED	 uniie	(CMT)

					SPEED (PCT	TOTAL
HOUR	CALM	1-3	4-10	11-21	22-33	34-47	48+	MEAN	FREQ	OBS
60300	1.8	4.9	43.9	44.2	5.2	.1	.0	11.3	100.0	1967
90300	1.7	5.2	46.3	41.2	5.5	.0	.0	11.0	100.0	2790
12615	1.7	5.3	40.7	46.2	6.0	.1	.0	11.6	100.0	2078
18621	1.2	3.5	43.4	45.4	6.3	.1	.0	11.7	100.0	2742
TOT	152	448	4193	4223	553		0	11.4		9577
PCT	1.6	4.7	43.0	44.1	5.8	.1	.0	- 7	100.0	

				Comments of the								1 100	10000 100					
•	CT FRE			LOUD A		EIGHTHS)							CEILIN NH <5/					
WND DIR	0-2	3-4	5-7	8 & D	TOTAL DBS	CLOUD COVER	000 149	150 299	300 599	600 999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	
N	14.8	10.3	16.6	12.4		4.6	.1	.1	.5	3.2	10.7	6.7	2.8	.8	.2	.7	28.3	
NE	4.9	4.3	6.3	4.7		4.7			.2	1.3	3.7	2.8	1.2	.3	.1	.1	10.4	
	.2	.1	.2	.3		5.1		.0	.0		.1	.1	.1	.0	.0	.0	.4	
SE	.1	.0	.1	.1		5.6	.0	.0	.0		.1			.0	.0	.0	.1	
5	.5	.2	.6			4.8	.0	.0		.1	.3	.2	.1	.0	.0		1.0	
SW	1.1	1.0	. 6	.2		3.6	.0	.0		.1	. 3	.2	.1		.0	.1	2.3	
	1.6	1.5	1.8	. 8		4.3	.0	.0		.5		.7	.1		.0	.1	3.6	
NW	3.4	2.7	3.5	2.3		4.4	.0	.0	.1	.6	1.9	1.4	.4	.1		.1	7.3	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.7	.3	.5			4.3	.1	.0			.2	.3	.1	.0		.0	1.0	
TOT DOS	1135	842	1269	905	4151	4.6			46	244	753	520	202	53	17	44	2257	4151
TOT PCT	27.3	20.3	30.6		100.0		.2	.1	1.1	5.9	18.1	12.5	4.9	1.3	.4	1.1	54.4	100.0

TABLE 7

CUMULATIVE PCT FREQ	OF SIMULTANFOUS DO	CURRENCE
OF CETLING HEIGHT	(NH >4/8) AND VSRY	(NM)

					VSBY (NH	1)			
	FEET)	>10	- DR	• OR >2	• DR >1	>1/2	>1/4	>50YD	- DR
OR	>6500	.9	1.3	1.4	1.6	1.6	1.6	1.6	1.6
OR	>5000	1.9	2.6	2.7	2.8	2.8	2.8	2.8	2.8
OR	>3500	5.7	7.3	7.5	7.7	7.7	7.7	7.7	7.7
OR	>2000	15.5	19.5	20.0	20.2	20.2	20.2	20.2	20.2
OR	>1000	29.2	37.0	37.9	36.2	38.2	38.2	38.2	38.2
DR	>600	32.9	42.3	43.7	43.9	43.9	43.9	43.9	43.9
OR	>300	33.6	43.3	44.8	45.0	45.0	45.0	45.0	45.0
DR	>150	33.6	43.4	44.9	45.2	45.2	45.2	45.2	45.2
	> 0	33.6	43.5	45.0	45.3	45.3	45.4	45.5	45.5
	TOTAL	1424	1840	1903	1916	1917	1920	1924	1924

TOTAL NUMBER OF OBS: 4233 PCT FREQ NH <5/8: 54,5

0 0

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS) .

•	1	2	3	,	7	OBSCD	TOTAL
							4483

									JUNE						
PER100:	(PRIMARY) 1 (OVER-ALL) 1	923-1973 861-1973						TA	BLE 8				ARE		CASABLANCA SE
			•	ERCENT	PREC	F WIN	D DIRE	CTION TH VAR	VS OCC	URRENC	E OR N	IBILIT	URRENC	E OF	
	VSBY (NM)		N	NE	ŧ	SE	5	SW		NW	VAR	CALM	PCT	TOTAL	
	<1/2	PCP NO PCP	:0	.0	.0	.0	:0	.0	:0	.0	.0	.0	:0		
		TOT \$.1	.0		.0	.0	.0	.0	•	.0	.0	.1		
	1/2<1	PCP NO PCP	.0	.0	.0	.0	:0	.0	.0	.0	.0	.0	.0		
		TOT &	.2	:	.0	.0	.0			•	.0	.0	.3		
	162	PCP NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	•	TOT %	.3	::	.0	.0	:0	.0	.1	.0 .1 .1	.0		.6		
		PCP	1	:1	:0	•			.0		.0	:0	.2		
	2<5	NO PCP	1.5	::	:1	.i			:1	.2	.0	:1	2.4		
		PCP	.3	.2			.1	.1	.1	.1	.0		1.0		
	5<10	NO PCP	11.7	5.0	:1	.1	:2	.8	1.5	2.5	.0	.6	22.2		
		PCP	2	1			. •	. •	4:4	s:1	.0		4		
	10+	NO PCP	38.9	15.1	.5	.2	1.2	2.4	4.4	8.8	.0	1.2	72.8		

3

5021

8

				ENCEN	ITH V	ARYING	VALUE	S OF V	VS WI	ITY	ED		
VSBY (NM)	SPD	N	NE	E	SE	5	SW	W	NW	VAR	CALH	PCT	TOTAL
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	.1	.0		.0	.0	.0	.0		.0		.1	
	11-21		.0	.0	.0	.0	.0	.0	.0	.0			
	22+		.0	.0	.0	.0	.0	.0	.0	.0			
	TOT \$.1	.0		.0	.0	.0	.0		.0	.0	.1	
	0-3		.0	.0	.0	.0	.0	.0	.0	.0	.0		
1/2<1	4-10	.1		.0	.0	.0				.0		.1	
	11-21	.1		.0	.0	.0	.0	.0		.0		.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT \$.2		.0	.0	.0				.0	.0	.2	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0			
1<2	4-10	.1		.0	.0	.0	.0		.1	.0		.2	
	11-21	.2	.1	.0	.0	.0	.0	.0		.0		.3	
	22+		.0	.0	.0	.0	.0	.0	.0	.0			
	TOT \$.3	.1	.0	.0	.0	.0		.1	.0		.5	
	0-3									.0			
245	4-10	.5	.1			.0			.1	.0		.9	
	11-21	.6	.2						.1	.0		1.0	
	22+	.1	•	.0	.0	.0	.0	.0	.0	.0		.1	
	TOT \$	1.2	.4	.1		•	.1	.1	.2	.0		2.2	
	0-3	.1	.1				.1	.1	.1	.0	.5	1.1	
5<10	4-10	3.8	1.5	.1	.1	.1	.4	.7	1.3	.0		7.8	
	11-21	5.3	2.6			.1	.2	.4	.9	.0		9.6	
	22+	1.0	.6					1.2		.0		1.7	
	TOT \$	10.2	4.8	.2	.1	.2	.7	1.2	2.3	.0	.5	20.2	
	0-3	?		.1		.1	2	.5	.9	.0	1.2	4.6	
10+	4-10	15.9	5.7	.4	.1	.5	1.4	2.8	5.9	.0		32.6	
	11-21	19.7	10.9	.2	•	.4		1.0	2.1	.0		35.3	
	22+ TOT \$	39.0	10.0	.7	.2	1.0	2.5	4.4	.1	.0	1.2	76.8	
		37.0	10.0	.,	.2	1.0	2.5	***	9.0	.0	1.2	10.8	
1	TOT OBS		24.2	.,	.3	1.3	3.2	5.7	11.7	.0		100.0	6993

PERIOD: (PRIMARY) 1923-1973 (OVER-ALL) 1861-1973

TABLE 10

AREA 0003 CASABLANCA SW 31.7N 13.1W

PERCENT FREQUENCY OF CEILING HFIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000	150 299	300 599	600 999	1000	2000 3499	3500	5000 6499	6500	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL DBS
00603	.2	.0	.8	5.5	17.5	9.4	4.4	1.3	.6	1.1	40.7	59.3	1020
90360	.6	.4	1.6	6.5	23.7	16.1	6.0	1.1	.6		57.3	42.7	1084
12615	.2	.1	.9	5.0	15.9	12.9	4.7	1.2	.4	1.4	42.8	57.2	1129
18621	.2	.1	1.0	5.6	13.7	10.5	4.0	1.4	.1	1.1	37.7	62.3	1100
TOT	12	.1	46	245	766	532	207	1.2	18	48	1934	2399	4333

TABLE 11

TABLE 12

		PERCENT	FREQUEN	CY VSA	Y (NM)	BY HOUR		CUMULAT	IVE PCT	FREQ	OF RAM	IGES OF	VSBY (NM)	AND/OR
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL ORS	HOUR (GMT)	<150 <50YD		<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00603	.1	.3	.3	1.9	19.2	78.2	1587	00603	.2	1.0	8.5	34.4	57.1	991
90300	.4	.4		2.0	24.5	72.3	1938	90360	.7	2.8	11.6	47.5	40.9	1066
12615	.1	-1	.4	2.5	17.3	79.7	1654	12615	.2	1.2	9.1	35.9	55.0	1102
18621	.2	.4	.9	2.5	19.5	76.6	1949	18621	.2	1.3	9.7	30.0	60.3	1074
TOT	14	20	36	159	1445	5454 76.5	7128	TOT	13	67	412	1565	2256	4233

ARIE 12

			-							
TEMP F					ELATIV			90-100	TOTAL	PCT
					00-07		00-07	30-100	1,03	LVEA
85/89	.0	.0		.0	.0	.0	.0	.0	1	
80/84	.0	.0		.0		.1	.0		5	.1
73/79	.0	.0	.0	.2	.5	.8	.3	.1	79	1.9
70/74	.0	.0		.5	3.5	8.1	6.6	2.3	862	
65/69	.0	.0	.0	.5	5.5	24.7	26.6	11.3	2822	
60/64	.0	.0	.0	.0	.8	2.6	3.1	2.0	351	8.5
55/59	.0	.0	.0	.0	.0	.0		.0	1	
TOTAL	0	0	3	51	423	1494	1507	643	4121	100.0
PCT	.0	.0	.1	1.2	10.3	36.3	36.6	15.6		

TABLE 14

	PERCE	NT FRE	QUENC	Y OF W	IND DI	RECTIO	N BY T	EMP	
N	NE	E	SE	s	SW	W	NW	VAR	CALH
	.0	:0	.0	.0	.0	.0	.0	.0	.0
	.0	.0	.0	.0			:0	.0	
1.0	.5		.0	.0	.1	.1	.1	.0	.1
10.9	4.5	.3	.1	.4	.9	1.2	2.1		.4
36.6	14.3	.3	.2	1.1	2.0	4.4	8.5	.0	1.0
5.2	1.3	.1	.1	.1	.1	.6	.8	.0	.1
.0	.0	.0	.0	.0		.0	.0	.0	.0
53.8	20.7	.8	.4	1.7	3.2	6.4	11.5	.0	1.7

TABLE 15

	MEANS,	EXTREMES	S AND	PERCEN	TILES	OF TER	P (DE	G F) B	Y HOUR
HOUR (GMT)	MAX	99%	95%	50%	5%	18	MIN	HEAN	TOTAL
00603	77	72	70 71	66	63	62	58	66.5	2001
12615	86	78 78	75 75	69	65	63	56 56	69.8	2036 2697
TOT	86	77	73	68	64	62	56	67.9	9528

	PERC	ENT FRE	QUENCY	OF RELA	TIVE H	UMIDITY	BY HOUR	
HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
00603	:0	.5	7.1	30.7	41.3	22.3	82	1026
12615 18621 TOT	.0	2.3	17.0 12.2 438	42.2 38.7 1521	30.2 35.8 1537	11.3	77 78 80	1051 1057 4215

PERIOD: (PRIMARY) 1923-1973 (DVER-ALL) 1861-1973

TABLE 17

AREA 0003 CASABLANCA SW 31.7N 13.1W

PCT FREQ OF AIR	TEMPERATURE COEG	FI AND THE	OCCURRENCE OF F	OG (WITHOUT	PRECIPITATION)
	VS AIR-SEA	TEMPERATUR	E DIFFERENCE IDE	G F)	

		-								
AIR-SEA	57	61	65	69	73	77	81	TOT		WD
THP DIF	60	64	68	72	76	80	84		FOG	FOG
20/22	.0	.0	.0	.0		.0	.0	1	.0	
17/19	.0	.0	.0	.0	.0	.0		1	.0	
14/16	.0	.0	.0		.0	.0	.1	4	.0	.1
11/13	.0	.0		.1	.1	.1		18		.4
9/10	.0		.1	.1	.2	.2		30	.1	.5
7/8	.0	.0		.5	.7	.5	.0	81	.1	1.7
	.0	.0		.4	.4	.0	.0	41	.1	.8
5	.0	.0	.2	1.0	1.2	.1		113	.1	2.4
4	.0	.0	.8	2.0	1.1	.1	.0	179	.2	3.7
3			1.1	3.2	.6		.0	226	.2	4.7
	.0	.1	2.9	5.1	.7	.0	.0	398	.3	8.4
1 0		.3	6.8	6.5	.2	.0	.0	634	.5	13.4
0	.0	1.2	15.2	5.4	.2		.0	1010	.5	21.5
-1		2.0	14.7	2.2	.1	.0	.0	871	.5	18.5
-2		2.2	7.5	1.0	.1	.0	.0	498	.3	10.5
-3	.0	1.5	3.1	.5	.0		.0	238	.2	5.0
-4		.7	1.7	.3	.0	.0	.0	124	.1	2.6
-5	.1	.5	.6	.1	.0	.0	.0	61		1.3
-6		.2	.3		.0	.0	.0	26		.5
-7/-8		.1	.3		.0	.0	.0	23		.5
-9/-10					.0	.0	.0	6	.0	.1
-11/-13	.0		.0	.0	.0	.0	.0	1	.0	
TOTAL	13		2546		252		8		147	4437
		415		1303		47		4584		
PCT	.3	9.1	55.5	28.4	5.5	1.0	.2	100.0	3.2	96.8

PERIOD: (OVER-ALL) 1963-1973

PCT	FREQ	OF	WIND	SPEED	(KTS)	AND	DIRECTION	VERSUS	SEA	HEIGHTS	(FT)

				N							NE			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.4	2.4	5.5	.0	.0	.0	2.9	.3	.6		.0	.0	.0	.9
1-2	.4	10.5	5.5	.0	.0	.0	16.3	.1	2.1	2.2	.0	.0	.0	4.4
3-4	.0	5.0	11.9	.4	.0	.0	17.3	.0	1.2	4.8	.3	.0	.0	6.3
5-6	.0	1.1	8.8	1.7	.0	.0	11.6	.0	.4	4.1	.8		.0	5.3
7	.0	.2	3.1	1.3	.1	.0	4.6	.0		1.5	.5		.0	2.1
8-9	.0		1.1	.6	.1	.0	1.8	.0		.5	.2		.0	.7
10-11	.0	.0	.3	.4		.0	.7	.0	.0	.1	.2		.0	.3
12	.0	.0	.0	.1	.0	.0	.1	.0	.0	.1	.1	.0	.0	.3
13-16	.0	.0	.0	.0	.0	.0	:0	.0	.0	.0	.2	.0	.0	.2
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	•0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	:0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+ TOT PCT	.0	19.1	30.8	4.5	.0	.0	55.4	.0	4.4	13.3	.0	.0	.0	.0
TOT PCT	.8	19.1	30.8	4.5	•5	.0	55.4	.4	4.4	13.3	2.2	.1	.0	20.3
				E							22-33			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.3	.0	.0	•0	.0		•	.0		.0	.0	.0	.1
1-2			.1	.0	.0	.0	:1	.0		.1	.0	.0	.0	•1
	.0	.0	.1	.0	.0	.0	• •	.0	.0		.0	.0	.0	
5-6	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	
8-9	.0		.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	
10-11	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	•0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0		.0					.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0				.0		.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
474	.0	.0	.0	.0	.0	:0	:0		.0	.0	.0	.0	.0	:0
87+ TOT PCT	.0	.3	.3	.0	.0	.0	:7	.0	•0	.0	.1	.0	.0	.3
IUI PCI		.,	.,	.0	•0	.0	.,		V. H. Co.	.2	•1	.0	.0	.3

	INVES	-ALL)	1963-1	973					JUNI					ADEA	0003	CASABLANC	
	,							TABLE	18 (0	(TND						.7N 13.1	
				PC	T FREQ OF	WIND	SPEED	(KTS)	AND D	IRECT	ION	VERSUS	SEA HETO	HTS (FT			
HGT	1-3			\$ 22-33	34-47								SW				
<1 <1		4-10	11-21	.0	.0	48+	PCT			-3	4-10			34-47	48+		
1-2	:1	.2	.3	.0	.0	.0	:7			.1	.8	.1		.0	.0		
3-4	.0	.2	:4	.1	.0	.0	.7		The state of		.2			.0	.0		
5-6	.0		.2	.0	.0	.0	.3			.0				.0	.0		
7	.0	.0	.1		.0	.0	.1			.0	.0			.0	.0		
8-9	.0	.0	.0		.0	.0				.0	.0			.0	.0		
10-11	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0		
12	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0		
13-16	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0		
20-22	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0		
23-25	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0		
26-32	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0		
33-40	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0		
41-48	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0		
49-60	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0		
61-70	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0		
71-86	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0		
87+	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0		
OT PCT	.1		1.1	.1	.0	.0	2.1			.1	1.3			.0	.0		
нет	1-3	4-10	11-21	W 22-33	34-47	48+	PCT			-3	4-10	11-21	22-33	34-47	484	PCT	PC
<1	.4	.6	.0	.0	.0	.0	1.0			.4	1.3	11-2	.0	.0	.0		
1-2	.2	1.7	.5	.0	.0	.0	2.4			.3	4.3	1.1		.0			
3-4	.0		.5	.0	.0	.0	1.1			.1	1.0			.0	.0		
5-6	.0	.2	.5	.0	.0	.0	.,			.0	.2			.0	.0		
7	.0	.0	.2	.0	.0	.0	.2			.0	.1			.0	.0		
8-9	.0	.0	.1	.0	.0	.0	.1			.0				.0	:0		
10-11	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	:0		
12	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0		
13-16	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0			
17-19	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0			
20-22	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0		
23-25	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0		
26-32	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0		
33-40	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0		
41-48	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0		
49-60	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0			
61-70	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0		
71-86	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0		
87+	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0		
	- 0	3.0	1.8	.0	.0	.0	5.4			.8	7.0			.0	.0		98

		MIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
н	GT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<	1	4.3	5.5	.2	.0	.0	.0	10.1	003
	-2	1.2	19.8	10.0	.0	.0	.0	31.0	
3	-4	•1	8.2	19.3	.9		.0	28.4	
	-6	.0	2.0	14.4	2.5		.0	19.0	
	7		.3	5.0	1.9		.0	7.2	
8	-9	.0	.1	1.7	.9	.1	.0	2.8	
10	-11	.0	.0	.5	.6		.0	1.1	
1	2	•0	.0	.1	.2	.0	.0	.2	
13	-16		.0	.0	.2	.0	.0	.2	
17	-19	•0	.0	.0	.0	.0	.0	.0	
20	-22	•0	.0	.0	.0	.0	.0	.0	
23	-25	•0	.0	.0	.0	.0	.0	.0	
26	-32	.0	.0	.0	.0	.0	.0	.0	
33	-40	.0	.0	.0	.0	.0	.0	.0	
	-48	•0	.0	.0	.0	.0	.0	.0	
49	-60	.0	.0	.0	.0	.0	.0	.0	
61	-70	.0	.0	.0	.0	.0	.0	.0	
71	-86	•0	.0	.0	.0	.0	.0	.0	
	87+	.0	.0	.0	.0	.0	.0	.0	
									2644
TOT	PCT	5.7	35.9	51.2	7.0	.2	.0	100.0	

PERIOD	: (04	ER-ALL	1 194	9-197	,				TABLE	19											
					PERCENT	FRE	QUENCY	OF WA	VE HEI	GHT (F	T) VS	WAVE P	ERIOD	(SECON	DS)						
PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN
6-7	1.3	9.4	12.0	7.1	2.2	1.2		.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1124	4
6-7		1.3	6.5	9.0	5.8	2.7	1.5	.3	.2	.0		.0	.0	.0	.0	.0	.0	.0	.0	911	6
8-9	.0	.6	1.7	3.9	2.6	1.8	.8	.2	.2	.0		.0	.0	.0	.0	.0	.0	.0	.0	390	6
10-11	.0	.5	.8	.9	1.0	1.0		.2		.0			.0	.0		.0	.0	.0	.0	165	8
10-11	.0	.0	.4	.3	.4	.2	.2	.1	.0	.0			.0			.0	.0	.0	.0	55	6
>13	.0	.0	.0	.2	.1		.1	.0	.0	.0			.0	.0		.0	.0		.0	12	7
INDET	2.0	4.0	5.2	3.3	2.9	1.4	.7		.2		.0	.0	.0			.0	.0	.0	.0	657	4
TOTAL	111	523	883	817	500	281	139	32		1	1	0	0	0	0	.0	0	0	0	3314	5
PCT	3.3	15.8	26.6	24.6	15.1	8.5	4.2	1.0				.0	.0	.0	.0	.0	.0	.0	.0	100.0	

0 0

JULY
TABLE 1

0 0

PERIOD: (PRIMARY) 1923-1973 (QVER-ALL) 1857-1973

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

AREA 0003 CASABLANCA SW 31.7N 13.1W

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT	PCPN PAST	THOR	FOG WO PCPN	FOG HO PCPN PAST HR	SMOKE		
N NE	:1	.4	:2	:0	.0	.0	.0	.7	.2	:2	2.6		4.0		92.2
		.2					.0	.6	.1		3.6	.1	3.6	•1	91.8
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	.0	6.6	.0	91.5
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	13.3	.0	16.7	.0	70.0
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.9	.0	.0	.0	96.1
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	.0	2.7	.0	96.0
	.0	1.2	.9	.0	.0	.0	.0	2.1	.0	.0	6.4	.0	.0	.0	91.5
NW	.0	.0	.5	.0	.0	.0	.0	.5	.3	.0	3.6	.0	2.9	.0	92.6
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.3	.0	7.0		83.7
TOT PCT	5450	.3	.3	.0	.0	.0	.0	.6	.1	.2	3.1	•	3.8	.1	92.0

TABLE 2
PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			P	RECIPI	TATTO	TYPE					OTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	
00603	.1	.4	.5	.0	.0	.0	.0	.9	.2	.3	2.5	.0	3.1	.1	92.9
90300	.1	.5	.2	.0	.0	.0	.0	.8	.2	.4	3.7	.1	3.0	.1	91.7
12615	.0	•1	.1	.0	.0	.0	.0	.3	.1	.0	3.4	.1	4.6	.1	91.4
18621	.1	•1	.2	.0	.0	.0	.0	.5	•1	.1	2.9	.0	4.6	.1	91.7
TOT PCT	5513	•3	.3	.0	.0	.0	.0	.6	•1	.2	3.2		3.8	•1	91.9

TABLE 3
PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		WI	ND SPE	ED (KN	QTS)								HOUR	(GMT)			
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	FREQ	SPD	00	03	06	09	12	15	18	21
N NE	1.0	18.4		4.4		.0		51.8	13.2	52.6	56.1	50.9	47.0	51.5	58.4	54.4	49.6
E		.4	.4		.0	.0		.8	10.9	.6	. 8	.8	.4	1.0	.7	1.0	.5
SE	*			.0		.0		.1	7.0	.2	.0	.2	.0	.1	.0		.0
S	.1	.2			.0	.0		.3	6.7	.3	.0	.4	.1	.4	.0	.1	.1
SW	.1	.7	.1		.0	.0		.8	6.7	.8	1.4	.8	1.1	. 8	.0	.8	.6
W	.5	1.4	.2			.0		2.1	6.5	1.9	2.3	2.2	3.2	2.0	.7	1.8	
NW	.5	4.4	1.4	.1		.0		6.4	8.6	6.6	5.7	6.6	6.6	5.5	2.6	6.7	7.8
VAR	.0	.0	.0		.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.9							.9	.0	1.1	1.6	1.0	1.1	.9	1.5	.4	.6
TOT DBS	355	3441	5189	926	16	0	9927	THE STATE	13.0	1916	128	1983	890	2018	134	2002	856
TOT PCT	3 6	24.7	52.3			•		100 0			100 0	100 0	100.0		100 0	100 0	100 0

					TAB	LE 3A						
			SPEED							HOU	R (GMT)
WND DIR	0-6	7-16	17-27	28-40	41+	DAS	FREQ	SPD	00	06	12	18
N NE	6.2	30.8	13.8	1.0	.0		51.8	13.2	52.8	49.7	52.0	
SE S SW	.2	.5	:0	•0	.0		.8	10.9	.6	:7	1.0	.8
S	.2	.1		.0	.0		.3	6.7	.2	.3	.4	.1
W	1.3	.3	.1	.0	.0		2.1	6.7	2.0	2.5	1.9	2.1
VAR	2.5	3.5	.4	.0	.0		6.4	8.6	6.6	6.6	5.3	7.1
CALM	.9						:0	.0	1.2	1.0	1.0	.5
TOT OBS	1455	56.0	2701	211	.0	9927	100.0	13.0	100.0	2873 100.0	2152	2858

PERIOD: (PRIMARY) 1923-1973 (OVER-ALL) 1857-1973

TABLE 4

AREA 0003 CASABLANCA SW 31.7N 13.1W

PERCENTAGE PREQUENCY OF WIND SPEED BY HOUR (GHT)

				WIND	SPEED (KNOTSI			PCT	TOTAL
HOUR	CALM	1-3	4-10	11-21	22-33	34-47	48+	MEAN	FREQ	OBS
60300	1.2	2.3	35.4	52.0	9.1		.0	13.0	100.0	2044
90300	1.0	3.4	35.2	51.2	8.9	.3	.0	12.8	100.0	2873
12615	1.0	2.8	33.0	53.0	10.0	.2	.0	13.3	100.0	2152
18421	.5	2.2	34.8	53.0	9.4	.1	.0	13.2	100.0	2858
TOT	88	267	3441	5189	926	16	0	13.0		9927
PCT	. 0	2.7	34 7	62.3	9.3	. 2	0		100.0	

TABLE 5

P	CT FRE			LOUD A		(EIGHTHS)							CEILIN NH <5/					
WND DIR	0-2	3-4	5-7	3 & DBSCD	TOTAL	CLOUD COVER	000	150 299	300 599	600 999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	
N	18.3	10.2	16.3	12.8		4.4	.2	.1	.7	3.1	10.4	7.4	3.0	.9	.5	.3	31.0	
NE	9.	5.5	10.4	7.3		4.5	.1	.1	.3	1.9	5.9	5.3	1.8	.5	.1	.3	16.6	
E	.4	.2	.2	.3		4.3		.0			.1	.3				.0	.6	
SE			.1			5.0	.0	.0	.0	.0		.0		.0		.0	.1	
S	.1	.1	.1	.1		3.7	.0	.0	.0	.0	.1		.0	.0	.0		.3	
SW	.2	.1	.1	.2		3.9		.0	.0		.1			.0	.0		.4	
*	.6	.2	.3	.1		3.2		.0	.0		.1	.1					1.0	
NW	2.1	.9	1.1	1.1		3.9		.0		.2	.9	.4	.3	.1	.1		3.2	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.4	.1	.1	.2		3.4	.1	.0	.0	.1			.0	.0	.0	.0	.5	
TOT OBS	1447	788	1304	1008	4547	4.4	23	7	48	246	799	619	236	69	36	30	2434	4547
TOT PCT	31.8	17.3	28.7	22.2	100.0		.5	.2	1.1	5.4	17.6	13.6	5.2	1.5	.8	.7	53.5	100.0

CUMULATIVE	PCT	FREQ	DF	SIMULTANEDU	S OCCURRENC
				1 34/81 AND	

					VSBY (NH	1)			
C	EILING	- OR	- DR	- OR	· DR	* DR	- DR	- DR	- DR
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
OR	>6500	.9	1.4	1.4	1.4	1.4	1.4	1.4	1.4
DR	>5000	2.1	2.8	2.9	2.9	2.9	2.9	2.9	2.9
OR	>3500	0.1	7.8	8.1	8.1	8.1	8.1	8.1	6.1
OR	>2000	16.4	21.0	21.6	21.6	21.6	21.6	21.6	21.6
OR	>1000	30.6	38.3	39.0	39.1	39.1	39.1	39.1	39.1
OK	>600	34.3	43.4	44.4	44.4	44.4	44.5	44.5	44.5
OR	>300	34.9	44.4	45.5	45.5	45.5	45.5	45.5	45.5
	>150	35.0	44.6	45.6	45.7	45.7	45.7	45.7	45.7
	> 0	35.1	44.7	45.8	45.9	45.9	46.0	46.2	46.2
	TOTAL	1604	2047	2097	2099	2099	2104	2113	2114

TOTAL NUMBER OF OBS: 4576 PCT FREQ NH <5/8: 53.8

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 OBSCO OBS 16.8 8.9 10.0 9.5 8.0 6.3 8.7 11.6 19.8 .3 4840

JULY

PERIOD:	(PRIMARY)	1923-1973 1857-1973

TABLE 8

AREA 0003 CASABLANCA SW 31.7N 13.1W

		,	ERCENT	PRECI	PITATI	ON WIT	H VAR	YING V	ALUES (F VIS	IBILI	TY	EOF
VSBY (NM)		N	NE		SE	5	SW		NW	VAR	CALM	PCT	TOTAL
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	NO PCP	.2	.1	.0	.0	.0	.0			.0		.3	
	TOT &	.2	-1	.0	.0	.0	.0			.0		.3	
	PCP			.0	.0	.0	.0	,0	.0	.0	.0		
1/2<1		.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.6	
	TOT %	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.6	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
<2	NO PCP	.4	.2	.0	.0	.0	.0	.0		.0	.0	.6	
	TOT %	.4	.2	.0	.0	.0	.0	.0		.0	.0	.6	
	PCP		.0	.0	.0	.0	.0	.0		.0	.0		
<5	NO PCP	1.2	1.0		.0			.1	.2	.0	.1	2.6	
	TOT %	1.2	1.0		.0			.1	.2	.0	.1	2.6	
	PCP	.2	.1	.0	.0	.0	.0			.0	.0	.4	
<10	NO PCP	14.1	9.0	.4	.1	.1	.2	.5	1.5	.0	.2	26.0	
	TOT %	14.3	9.1	.4	.1	.1	.2	.6	1.5	.0	.2	26.4	
	PCP	.1	.1	:0	.0	.0	.0	.0		.0	.0	.2	
10+	NO PCP	40.2	22.8	.5		.3	.5	.9	3.6	.0	.5	69.2	
	TOT %	40.3	22.9	.5		.3	.5	.9	3.6	.0	.5	69.4	
	TOT OBS												5439
	TOT PCT	56.7	33.5	1.0	-1	.4	.7	1.5	5.3	.0	. 8	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

						KTING	VALUE	s ur v	151811	111			
VSBY (NM)	KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0			
<1/2	4-10			.0	.0	.0	.0			.0		.1	
	11-21	.1		.0	.0	.0	.0	.0	.0	.0		.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.1	.1	.0	.0	•0	.0			.0		.3	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
1/2<1	4-10	.1		.0	.0	.0	.0	.0	.0	.0		.1	
	11-21	.2	.2	.0	.0	.0	.0	.0	.0	.0		.4	
	22+			.0	.0	.0	.0	.0	.0	.0			
	TOT %	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.5	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
1<2	4-10	.1	.1	.0	.0	.0	.0	.0		.0		.2	
	11-21	.3	.1	.0	.0	.0	.0	.0		.0		.4	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.4	.1	.0	.0	•0	.0	.0		.0	.0	.5	
	0-3	.1		.0	.0					.0	.1	.2	
2<5	4-10	.5	.3		.0				.1	.0		1.0	
	11-21	.6	.6	.0	.0	.0			.1	.0		1.3	
	22+	.1	1,1	.0	.0	.0	.0	.0	.0	.0		.3	
	707 %	1.2	1.1		.0			.1	.2	.0	.1	2.8	
	0-3	.3	.1	.2	.0			.1	.1	.0	.2		
5<10	4-10	4.4	2.4	.2			.1	.3	.8	.0		8.2	
	11-21	7.1	5,3	.1				.1	.4	.0		13.1	
	22+	1.3	1.4		.0	.0	.0	.0		.0		2.8	
	TOT %	13.1	9.2	.3	.1	•1	.1	.5	1.3	.0	.2	24.9	
	0-3	.6	5.5					.2	.4	.0	.5		
10+	4-10	13.0	5.5	.2		.1	.4	.8	2.8	.0		22.8	
	11-21	22.3	15.6	.2		.1		.1	.9	.0		39.2	
	22+	3.5	3.4		.0	.2		.0	.1	.0		7.0	
	TOT %	39.5	24.7	.5		•2	.4	1.1	4.1	.0	.5	71.1	
1	OT UBS												7483
,	OT PCT	54.5	35.5	.8	.1	.3	.6	1.7	5.7	.0	.8	100.0	

PERIOD: (PRIMARY) 1923-1973 (OVER-ALL) 1857-1973

TABLE 10

AREA 0003 CASABLANCA SW 31.7N 13.1W

PERCENT FREQUENCY OF CEILING HFIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000	150 299	300 599	999	1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL	
00603	.5	.0	.9	5.0	17.5	12.1	3.8	.7	.7	.5	41.6	58.4	1071	
06609	.8	.3	1.2	7.0	22.1	17.5	5.6	2.3	8	.4	58.2	41.8	1188	
12615	.3	.2	.9	5.1	15.6	13.0	5.6	2.1	.9	1.1	44.8	55.2	1220	
18621	.4	.1	1.1	4.0	13.0	10.5	4.9	.7	.7	.6	36.0	64.0	1220	
TOT	24	7	48	248	799	625	236	1.5	36	30	2122	2577	4699	

TABLE 11

TABLE 12

		PERCENT	FREQUEN	CY VSBY	(NM)	BY HOUR		CUMULAT					VSBY (NM)	
HQUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL
00603	.2	.4	.8	2.7	24.6	71.3	1662	00603	.5	1.5	9.1	35.6	55.3	1022
06609	.4	.4	.4	3.4	27.2	68.2	2077	90300	.9	2.4	12.7	48.6	38.7	1167
12615	.3	.6	.5	3.0	21.8	73.8	1749	12615	.3	1.6	9.6	38.1	52.3	1199
18621	.1	.7	.5	2.2	25.6	70.8	2060	18621	.4	1.6	8.3	30.6	61.1	1188
TOT	19	39	40	215	1884	5351 70.9	7548 100.0	TOT	24	81	455	1751	2370	4576

TABLE 13

TABLE 14

					000 000 000															
	PERC	ENT FR	EQUENC	Y OF R	ELATIV	E HUMI	DITY R	Y TEMP				PERC	ENT FRE	QUENCY	OF W1	IND DI	RECTIO	N BY T	EMP	
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	OBS	FREQ	N	NE	E	SE	s	SW		NW	VAR	CALM
85/89	.0	.0	.0	.0		.0	.0	.0	1			.0	.0	:0	:0	.0	:0	.0	.0	.0
80/84	.0	.0			.2	.2		:6	26	.6	.3	.2		.0	.0		.0		.0	
75/79	.0	.0	.0	.2	1.4	3.3	1.7	.4	312	6.9	4.0	2.1	.2	.0		.1	.1	.3	.0	.1
70/74	.0	.0	.0	.2	5.0	16.6	18.0	9.1	2199		26.8	16.8	.6	.1	.2	.3	. 8	3.0	.0	.3
65/69	.0	.0	.0	.0	1.5	14.7			1940	43.1	25.7	14.4	.2		.1	.2	.4	1.8	.0	.3
60/64	.0	.0	.0	.0	.0	.1	.2	.1	21	.5	.3	.1	.0	.0	.0	.0	.0		.0	.0
TOTAL	0	0	1	20	367	1573	1760	778	4499	100.0										
PCT	.0	.0			8.2	35.0		17.3		1000000	57.1	33.6	1.0	.1	.3	.6	1.4	5.2	.0	.7

ABLE 15

					77.													
	MEANS,	EXTREMES	AND	PERCEN	TILES	OF TE	IP (DE	G F) 8	Y HOUR		PERC	ENT FRE	QUENCY	OF RELA	TIVE H	YTIDIMU	BY HOU	•
HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL	HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTA
60300	85 85	75 76	73	69	66	64	58	69.0	2058	0300 0300	.0	:1	3.8	27.3	46.7	23.2	83	1089
12615		81	78	72	68	66	61	72.1	2109	12615	.0	.9	16.2	42.1	30.6		78	1136
18621	86 87	79	77	71	67	65	63 58	71.4	2806 9837	18621 TOT	.0	21	372	1584	36.7 1775	12.8	80	4542

JULY

PERIOD: (PRIMARY) 1923-1973 (OVER-ALL) 1857-1973

TABLE 17

AREA 0003 CASABLANCA SW 31.7N 13.1W

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA	57	61	65	69	73	77	81	85	TOT		WO
THP DIF	60	64	68	72	76	80	84	88		FOG	FOG
17/19	.0	.0	.0	.0		.0	.0	.0	2	.0	
11/13	.0	.0	.0	.0	.1	.1	.1	.0	15	.1	.2
9/10	.0	.0	.0		.1	.5	.1	.0	37	.1	.7
7/8	.0	.0	.0	.1	.6	.8	.1	.0	80	.1	1.5
6	.0	.0		.3		.5			76	.1	1.4
5	.0	.0		.4	2.0	.5	.0	.0	150	.1	2.9
4	.0		.2	1.6	2.6	.4		.0	239	.2	4.6
3	.0	.0	.3	3.0	2.8	.1	.0	.0	309	.1	6.1
2	.0	.0	. 8	6.4	3.3	.1	.1	.0	530	.3	10.3
1	.0		2.0	11.0	2.5		.0	.0	772	.5	15.0
0	.0	.1	5.9	13.8	1.2	.1	.0	.0	1051	.7	20.4
-1	.0	.1	8.2	8.6	.4		.0	.0	866	.5	16.9
-2	.0	.2	5.0	4.1	.2			.0	472	.3	9.1
-2	.0	.1	1.6		.1	.0	.0	.0	181	.1	3.6
-4	.0	.1	1.0	.6	.1	.0	.0	.0	89	.1	1.7
-5	.0	.1	.5	.4		.0	.0	.0	55		1.1
-6	.0	.0	.3	.1		.0	.0	.0	19	.0	.4
-7/-8	.0	.1	.2	.2	:	.0	.0	.0	21	.1	.4
-9/-10		.0	.1			.0	.0	.0	7	.0	.1
-11/-13	.0	.1	.1	.0		.0	.0	.0	7		.1
TUTAL	1	•••	1308		827	•	25			167	4611
	1	41		2609		166		1	4978		
PCT			24.3	62.4	14.4	2.3			100.0	2.4	04 4

PERIOD: (OVER-ALL) 1963-1973

HGT 1-3 4-10 11-21 22-33 34-47 48+ PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT CT 1-3 4-10 11-21 22-33 34-47 48+ PCT 1-3 4-10 11-21 22-33 34-47 48+ P					PC	T FREQ	F WIND	SPEED	(KTS)	AND DIRE	CTION V	ERSUS S	EA HEIG	HTS (FT		
HGT 1-3 4-10 11-21 22-33 34-47 48+ PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT (1 -3 1-7 .2 .0 .0 .0 .0 .2.3					N								NE			
\$\frac{\capactal}{1} \ \ \frac{\capactal}{3} \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	HGT	1-3	4-10	11-21		34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT
1-2	<1	.3	1.7			.0						7.7		.0		
3-4		.2	9.2	6.4	.0			15.8			3.7	2.8				6.6
7	3-4	.1	5.6	12.5	.8	.0	.0	18.9			2.0	6.9	.8	.0		9.7
7		.0					.0	13.1		.0	.4	6.5	1.3	.1	.0	8.4
10-11								5.4								
13-16													1.1		.0	
13-16					.5			.8								
17-19	12				.2			.3								
20-22																.4
23-25	17-19															
28-32																
33-40																
41-48 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0																•0
49-60 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0								.0								
61-70	41-48															
71-86								.0								
## PCT																
TOT PCT .7 17.5 35.1 5.7 .1 .0 59.0 .3 6.7 20.2 5.6 .2 .0 33.1 HGT 1-3 4-10 11-21																
HGT 1-3 4-10 11-21 E2-33 34-47 48+ PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT (1 .0 .1 .0 .0 .0 .0 .0 .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	TOT 9CT		17.5		5.7			80.0			4.7					
c1 .0 .1 .0 .0 .0 .0 .1 .0 * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 </th <th></th>																
c1 .0 .1 .0 .0 .0 .0 .1 .0 * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 </td <td>HGT</td> <td>1-3</td> <td>4-10</td> <td>11-21</td> <td></td> <td>34-47</td> <td>48+</td> <td>PCT</td> <td></td> <td>1-3</td> <td>4-10</td> <td>11-21</td> <td>22-33</td> <td>34-47</td> <td>484</td> <td>PCT</td>	HGT	1-3	4-10	11-21		34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	484	PCT
1-2																
3-4 0 11 .2 0 0 0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0			.2								.0					.0
5-6	3-4		.1	.2	.0	.0										
7		.0			.0	.0		.1		.0		.0	.0			
10-11	7	.0	.0		.0	.0	.0			.0	.0	.0	.0	.0		
12-10							.0	.0		.0	.0	.0	.0	.0	.0	.0
13-16 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0							.0	.0			.0	.0		.0	.0	.0
17-19 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0												.0			.0	.0
20-22 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0																
23-25	17-19						.0	.0								.0
26-32																
33-40	23-25															
41-48							.0	.0								.0
49-60																.0
61-70																.0
71-86 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0																
								.0								
TOT PCT .0 .3 .4 .0 .0 .0 .0 .0 .0 .0 .0 .0								.0								
	TOT PCT		. 3					.0							.0	.0

									JL	ILY							
PERIOD:	COVE	R-ALL)	1963-1	973				TABLE	18 (CONT				AREA	31.	CASABLA 7N 13	
				PC	T FREQ (-	SPEED	(KTS)	AND	DIREC	TION	VERSUS :	EA HEIG	HTS (FT)			
HGT				5									. SW				
<1	1-3	4-10	11-21	22-33	34-47	48+	PCT			1-3	4-10		22-33	34-47	48+	PCT	
1-2	.0	:1	.0	.0	.0	.0	:1			:	•1	.0	.0	.0	.0	.1	
3-4	.0	.0	.1		.0	.0	:i			.0	.1		.0	.0	.0	:2	
5-6	.0	.0	.0	.0	.0	.0	.0			.0			.0	.0	.0		
7	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
8-9	.0		.0	.0	.0	.0				.0 .			.0	.0	.0		
10-11	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	:0			.0	.0		.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
TOT PCT		.2	.1		.0	.0	:4				.3			.0	.0	.4	
-				w									22-33				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT			1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
a	.2	.1	.0	.0	.0	.0	.3			.1	4		.0	.0	.0	.6	
1-2		• •	:	.0	.0	.0	.4			•1	1.9		.0	.0	.0	2.4	
5-6	.0	•1	.0	.0	.0	.0	.1			.0	:1		.0	.0	.0	1.1	
7	.0	.0	.0	.0	.0	.0	.0			.0				.0	.0	:1	
8-9	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	:1	
10-11	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0		
	, .0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
TOT PCT	.2	.6	.1	.0	.0	.0	.9			.3	2.8	1.5	.1	.0	.0	4.7	99.2

	MIND	SPEED	(KTS)	VS SEA	HETGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	1.9	3.0	.3	.0	.0	.0	5.2	003
1-2	.6	15.6	9.7	.0	.0	.0	25.9	
3-4	.1	8.1	20.4	1.6	.0	.0	30.3	
5-6	.0	1.5	17.4	3.0	.1	.0	22.0	
7	.0	.2	6.6	2.7	.1	.0	9.6	
8-9	.0		2.3	2.0	.0	.0	4.3	
10-11	.0	.0	.5	1.1	.0	.0	1.6	
12	.0	.0		.5	.0	.0	.6	
13-16	.0	.0		.6	.0	.0	.6	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	•0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	•0	.0	.0	.0	.0	.0	.0	
61-70	•0	.0	.0	.0	.0	.0	.0	
71-86	•0	.0	.0	.0	.0	.0	.0	
87+	•0	.0	.0	.0	.0	.0	.0	
						••		2936
TOT PCT	2.6	28.5	57.3	11.4	.2	.0	100.0	

PERIO	D: (OV	ER-ALL) 194	9-197	3				TABLE :	19											
					PERCENT	FRE	QUENCY OF	WAV	E HEIGH	HT (FT) VS	AVE P	ERIOD	(SECON	05)						
PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	HEAN HGT
6-7	1.1	7.4	12.2	7.8	3.4	1.2	.2	.1	.0	:0	.0	.0		.0	.0	.0	.0	.0	.0	1213	4
6-7	.0	1.0	6.0	9.1	6.8	2.8	1.8	.4	.6	.1	.0	.0		.0	.0	.0	.0	.0	.0	1036	6
8-9	.0	.3	1.4	3.5	4.3	2.9	1.0	.7	.6	.1	.0	.0	0.0	.0	.0	.0	.0	.0	.0	540	7
10-11	.0	.2	.6	1.0		.7	.5	.1	.2	.0		.0		.0		.0		.0	.0	162	7
12-13	.0	.0	.7	.3	.4	.2	.2	•1	.0	.0	.0	.0			:0	.0		.0	.0	162	6
>13	.0	.0	.0	.3	.2		.1	.0	.1	.0	.0	.0			.0	.0		.0	.0	30	
INDET	1.2	3.3	4.9			1.3	.9		.2	.0	.0	.0			.0	.0	.0	.0	.0	594	4
NDET TOTAL	83	444	939	886	665	333	168	56	64	5	1	0		0	Ö	Ö	0	0	0	3644	5
PCT	2.3	12.2	25.8	24.3	18.2	9.1	4.6	1.5	1.8	.1		.0		.0	.0	.0	.0	.0	.0	100.0	

PERIOD:	(PRIMARY)	1923-1973
	(DUED-ALL)	1855-1972

TABLE 1

AREA 0003 CASABLANCA SW 31.7N 13.2W

PERCENT FREQUE	NCY DE	WEATHER	DECURRENCE	RY	HIND	DIRECTION

			P	RECIPI	TATIO	TYPE					OTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT	PCPN PAST HOUR	THOR	FOG WO PCPN	PCPN PAST HR	SMOKE		NO SIG WEA
N NE	-1	:1	.2	:0	:0	.0	.0	:3	:}	:	1:7	:0	2.4	:	94.9
	.0	1.5	.0	.0	.0	•0	.0	1.5	.0	.0	5.4	1.5	1.0	.0	90.6
SE	1.9	.0	.0	.0	.0	.0	.0	1.9	7.4	.0	14.6	1.9	.0	.0	74.1
S	2.3	.0	.0	.0	.0	.0	.0	2.3	.0	.0	2.3	.0	3.1	.0	92.2
SW	.0	1.2	.0	.0	.0	.0	.0	1.2	.0	.0	5.5	.0	3.0	.0	90.2
	1.1	.5	.0	.0	.0	.0	.0	1.0	.0	1.1	1.6	.0	5.1	.0	90.7
NW	.0	.0	.3	.0	.0	.0	.0	.3	.7	.3	3.2	.0	4.3	.0	91.2
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	:0	9.6	.0	.0	:0	90.4
TOT PCT TOT 085:	5139	.1	.2	.0	.0	.0	.0		.,	.3	2.1		2.2	•	94.7

TABLE 2

PERCENT FREQUENCY OF WEATHER OCTURRENCE BY HOUR

			,	RECIPI	TATIO	N TYPE						-	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	FRZN PCPN	HATL	PCPN AT OB TIME	PCPN HI	*	THOR	FOG NO PCPN	POG MO PCPN PAST HR	SMOKE	SPRAY BLMG DUST BLMG SNOW	NO SIG WEA
00403 00409	·2	.0	.3	.0	.0	.0	.0	.5	-		:5	1:7	.0	1:5	:1	95.4
18621	:0	•2	:1	.0	.0	•0	.0	:2	.1		.0	2.3	:1	2.0	.1	94.6
TOT PCT	5208	-1	.2	.0	.0	•0	.0		.,		.,	2.1		2.2		94.6

TABLE 1

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		WI	ND SPE	ED (KN	OTSI								HOUR	(GMT)			
WND DIR	0-3	4-10	11-21	22-33	34-47	40+	TOTAL	FREG	SPD	00	03	06	09	12	15	16	21
N NE	1:1	19.0		3.5	.:	.0		47.9	12.4	48.1	53.7	47.4	**:	46.6	59.4	50.7	46.1
E	.1	.6	.5	.1	.0	.0		1.3	10.6	1.1	2.1	1.3	1.4	1.5	.4	1.0	1.4
SE		.1	.1	.0	.0	.0		.3	8.3	.2	.0	.3	.1	.4	.0	.3	.1
S	.1	.3	.1		.0	.0		.5	7.0	.4	.4	.4	.3	.7	.6	.5	.4
SW	.2	.5	.1		.0	.0			7.0	1.0	1.2	. 8	.9	1.0	.4	.6	.6
	.3	1.3	.2		.0	.0		1.0	6.4	2.0	. 8	1.4	1.5	1.5	1.1	2.1	2.3
NW	.4	4.1	1.2	.1	.0	.0		5.7	8.3	6.2	9.4	5.3	5.2		5.3	6.0	
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.0							1.0	.0	1.3	1.5	1.3	1.1	.7	.0	.7	1.1
TOT OBS	394	3705	4964	619	15	0	9697		12.3	1909	130	1891	902	1962	131	1923	849
TOT PCT	4.1	38.2	51.2	6.4	•	- 0		100.0	100	100.0	100.0	100.0	100 0	100 0	100.0	100.0	100 0

TABLE 3A

WND DIR	0-6	WIND 7-16	SPEED 17-27		41+	TOTAL ORS	PCT	MEAN SPD	00	HDU1 06 09	12 15	18
N NE	6.0	31.1	10.3	:5	:0		47.9	12.4	48.4	40.6	47.4	49.3
E	.4	.6	. 3		.0		1.3	10.6	1.1	1.4	1.4	1.1
SE	.1	.1		.0	.0			8.3	.2	.2		.3
5	:1	.2			.0		.3	7.0	.4	.4	.7	.4
SW	.5	.2	.1		.0			7.0	1.0		.9	.6
W	1.1	:2		.0	.0		1.8	6.4	1.9	1.4	1.5	2.2
NW	2.3	3.3	.2	.0	.0		5.7	8.3	6.4	5.3	5.1	6.2
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	1.0						1.0	.0	1.3	1.2	.7	
TOT OBS	1505	5867	2198	127	0	9697		12.3	2039	2793	2093	2772
TOT PCT	15.5	60.5	22.7	1.3	.0		100.0		100.0	100.0	100.0	100.0

PERIOD: (PRIMARY) 1923-1973 (OVER-ALL) 1855-1973

TABLE 4

AREA 0003 CASABLANCA SW 31.7N 13.2W

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GHT)

				WIND	SPEED (KNOTS)			PCT	TOTAL
HOUR	CALM	1-3	4-10		22-33		46+	HEAN	FREQ	085
60300	1.3	2.7	38.0	52.2	5.6	.1	.0	12.3	100.0	2039
90300	1.2	3.5	40.5	48.7	5.8	.2	.0	11.9	100.0	2793
12615	.7	3.2	36.3	53.0	6.6	.2	.0	12.6	100.0	2093
18621	. 8	2.7	37.4	51.6	7.3	.1	.0	12.5	100.0	2772
TOT	98	296	3705	4964	619	15	0	12.3		9697
DCT	1.0	2.1	38 2	61 2	4.4		.0		100.0	

TABLE 5

TABLE 6

,	CT FRE			DIREC		EIGHTHS)			PERCEN	TAGE F	REQUEN	ICY OF	CEILIN	B BY M	IND DI	RECTIE	94/8) DN	
WND DIR	0-2	3-4	5-7	8 & 085CD	TOTAL	COVER	000 149	150	300 599	999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8 000+	NH <5/8	
N	18.8	11.7	14.8	7.1		3.9	.1	.1	.4	2.1	7.3	6.1	2.5	.6	.3	.4	32.6	
NE	12.3	8.6	10.8	4.4		3.9		.1	.3	1.4	4.7	4.1	1.8	.5	.1	.3	22.8	
E	.2	.2	.2	.2		4.3	.0	.0	.0	.0	.1	.1			.0	.0	.5	
SE	.1		.1	.1		4.8	.0	.0					.0		.0		.2	
•	.3	.1	.2	.1		3.5	.0	.0		.1	.1	.0			.0	.0	.5	
SW	.2	.3	.2			3.8	.0	.0				.1	.1		.0		.5	
	1.0	. 5	.2	.2		2.7	.0	.0	.0	.1	.1	.1	.1	.0	.0	.0	1.5	
NW	2.8	1.0	1.4	1.0		3.6	.0	.0		.1	.9	.6	.4	.1		.1	4.0	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
						2.3	.0		.0		.1				.0	.0	.7	
CALM	.6	-:-		377						163	576	486	211	60	19	36	2751	4345
TOT OBS	1575	978	1215		4345	3.8	?		32				4.9	1.4	.4	. 8	63.3	100.0
TOT PCT	36.2	22.5	28.0	13.3	100.0		.1	.1	. 7	3.8	13.3	11.2	4.7	1.4	• •		43.5	100.0

TABLE 7

CUMULATIVE	PCT FRE	Q OF	SIMULT	ANFOUS	DCCURRENCE
DE CETLE					

					VSBY (NH)			
CE	ILING	- OR	- OR	. OR	. OR	- OR	- OR	- DR	= DR
(F	EET)	>10	>5	>2	>1	>1/5	>1/4	>50YD	>0
. DR	>6500	1.1	1.3	1.3	1.3	1.3	1.3	1.3	1.3
- OR		2.2	2.6	2.6	2.6	2.6	2.6	2.6	2.6
· OR		6.3	7.3	7.4	7.5	7.5	7.5	7.5	7.5
. DR		16.0	18.4	18.6	18.7	18.7	18.7	18.7	18.7
- OR		26.8	31.4	31.8	31.9	31.9	31.9	31.9	31.9
. OR	>600	29.5	35.1	35.5	35.7	35.7	35.7	35.7	35.7
- OR		29.8	35.7	36.3	36.4	36.4	36.4	36.4	36.4
- OR		29.9	35.8	36.4	36.5	36.5	36.5	36.5	36.5
. OR		29.9	35.8	36.5	36.6	36.7	36.7	36.7	36.7
	TOTAL	1311	1570	1599	1605	1606	1606	1607	1607

TOTAL NUMBER OF OBS: 4381

PCT FREQ NH <5/8: 63.3

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 0BSCO 0BS 16.8 10.6 13.5 12.8 9.5 6.9 8.8 9.2 11.9 .1 4564

PERIOD: (PRIMARY) 1923-1973 (OVER-ALL) 1855-1973

0 0

TABLE 6

AREA 0003 CASABLANCA SW 31.7N 13.2W

0 0

ALL)	1855-1973	•					TA	BLE 8					31
		,	ERCENT	PRECE	F WIND								E OF
VSBY (NM)		N	NE	•	SE	5	SW	w	NW	VAR	CALM	PCT	TOTAL
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
(1/2	NO PCP	.1		.0	.0	.0	.0	.0		.0	.0	.1	
	TOT &	.1		.0	.0	.0	.0	.0		.0	.0	.1	
	PCP	.0	.0	.0	.0	.0	.0		.0	.0	.0		
1/24	NO PCP	,3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.6	
	TOT &	.3	.3	.0	.0	.0	.0		.0	.0	.0	.6	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	NO PCP	.2	.1	.0	.0	.0	.0		.1	.0		.5	
	TOT &	.2	.1	.0	.0	.0	.0		.1	.0		.5	
	PCP	:7	.0	.0			.0	.0	.0	.0	.0		
2<5	NO PCP	.7	.5	.1	.1	.1	.1		.2	.0	.1	1.7	
	101 \$.7	.5	:1	.1	.1	.1		.2	.0	.1	1.7	
	PCP	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2	
5<10	NO PCP	10.9	7.9	. 2		.1	.1	.4	1.2	.0	.3	21.1	
	TOT &	11.0	7.9	:2		.1	.1	.4	1.2	.0	.3	21.2	
	PCP	.1			.0	.0				.0	.0	.2	
10+	NO PCP	39.8	27.3	.;	.2	.4	.6	1.3	4.6	.0	.7	75.7	
	TOT \$	39.9	27.4	.7	.2	.4	.6	1.3	4.6	.0	.7	75.9	
	TOT DBS												5129
	TOT PCT	52.2	36.2	1.0	.3	.6	.8	1.8	6.1	.0	1.0	100.0	

				PERCENT	FREQ	OF WIN	D DIR	S OF V	ISIBIL	ND SPE	ED		
VSBY (NM)	SPD	N	NE	E	SE	s	SW	W	NW	VAR	CALM	PCT	TOTAL
	0-3		.0	.0	.0	.0	.0	.0	.0	.0	.0		
<1/2	4-10			.0	.0	.0	.0	.0		.0		.1	
	11-21			.0	.0	.0	.0	.0	.0	.0			
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT \$.1		.0	.0	.0	.0	.0		.0	.0	-1	
	0-3	.0	.0	.0	.0	.0	.0		.0	.0	.0		
1/2<1		.1		.0	.0	.0	.0	.0	.0	.0		.1	
	11-21	.1	.2	.0	.0	.0	.0	.0	.0	.0		.3	
	22+			.0	.0	.0	.0	.0	.0	.0			
	TOT %	.2	.2	.0	.0	.0	.0		.0	.0	.0	.4	
	0-3	.0	.0	.0	.0	.0	.0	.0		.0			
1<2	4-10			.0	.0	.0	.0			.0		.1	
	11-21	.1	.1	.0	.0	.0	.0	.0		.0		.3	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.2	.1	.0	.0	.0	.0		.1	.0		.3	
	0-3	.1	.0	.0	.0			.0		.0		.2	
2<5	4-10	.4	.3						.1	.0		.9	
	11-21	.4	.2					.0		.0		.7	
	22+		.5	.0	.0	.0	.0	.0		.0		.1	
	TOT \$.9	.5			.1	.1		.2	.0		1.8	
	0-3	.2	.1						.1	.0	.2	.7	
5<10		3.9	2.5	.1			.1	.3	. 8	.0		7.7	
	11-21	5.7	4.7	.1	.0				.2	.0		10.7	
	22+	.8	.8		.0	.0	.0	.0		.0		1.6	
	* 707	10.6	8.1	.2		.1	•1	.3	1.1	.0	.2	20.8	
	0-3	.7	.5	.1		.1	.1	.2	.3	.0	.7	2.7	
10+	4-10	14.6	8.3	.3	.1	.3	.3	.9	3.2	.0		28.2	
	11-21	21.3	18.6	.3	.1	.1	.1	.2	.9	.0		41.4	
	22+	2.0	2.2	.;	.0	.0	.0			.0	- 1	4.2	
	TOT \$	38.5	29,6	.7	.2	.4	.6	1.3	4.5	.0	.7	76.5	
	TOT 085												7163
	TOT PCT	50.4	38.5	.9	.3	.6	.7	1.7	5.8	.0	1.0	100.0	

PERIOD: (PRIMARY) 1923-1973 (OVER-ALL) 1855-1973

TABLE 10

AREA 0003 CASABLANCA SW 31,7M 13,2W

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NM >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	149	150	300	999	1000	2000	3500 4999	5000	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL
00603	.1	.0	.6	3.6	11.3	9.6	4.7	1.4	.3	1.0	32.8	67.2	1093
06609	.3	.2	1.2	5.4	20.3	15.8	5.9	1.9	.3	.7	52.0	48.0	1101
12615	.2	.3	.4	3.3	10.4	9.2	4.4	1.5	.9	.9	31.4	68.6	1165
10621	.0	.0		2.3	10.1	9.3	4.0	.5	.3	.7	27.8	72.2	1134
TOT	.1	.1	32	165	12.9	11.0	212	1.3	19	37	1612	2881	100.0

TABLE 11

TABLE 12

		PERCENT	FREQUEN	CY V58	Y (NM)	8Y HOUR		CUMULAT	THE PCT	FREQ G HGT	OF RAN	GES OF	VSBY (NM)	AND/OR
HOUR (GHT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL DES
00603	.1	.2	.2	1.0	21.5	76.1	1650	00603	.1	.9	6.3	28.6	65.0	1058
90300	.2	.4	.4	2.3	23.4	73.4	1967	90360	.3	1.8	9.8	44.5	45.6	1080
12615	.1	.4	.3	1.7	17.8	79.7	1668	12615	.2	1.1	5.7	27.6	66.6	1136
18621	.0	.6	.5	1.5	20.5	76.9	1949	18621	.0	.6	4.5	25.2	70.3	1107
TOT	.1	30	25	133	1512	5526 76.4	7234 100.0	TOT	.1	47	288	1377	2716	4381

				1	ABLE 1	3									TABLE	14				
	PERC	ENT FR	EQUENC	Y DF .	ELATIV	-	DITY 8'	TEMP				PERCE	NT FRE	QUENC	OF W1	ND DI	RECTIO	N BY T	EMP	
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL	FREQ	N	NE	E	SE	5	SW		NW	VAR	CALM
85/89	:0	:0	.0	.0	.5	:0	.0	.0	42	1.0	.:	.:	.0	.0	.0	.0	.0	:0	.0	.0
75/79	.0	.0	.0	:	2.3	6.5	3.7	1.0	591 3176		7.0	27.2	.2	.1	.2	.1	1.2	1.1	.0	.7
65/69 TOTAL	.0	.0		28	.3	1321	1788	2.6	451	10.6	5.4	4.3	.1	.0		.1	.1	.5	.0	•
PCT	.0	.0		.1	7.9			18.5			52.4	36.4	.9	.2	.6	.7	1.8	6.0	.0	.9

				TAI	LE 15									TABLE	16			
	MEANS,	EXTREME	S AND	PERCEN	TILES	OF TE	MP (DE	G F) 8	Y HOUR		PERC	ENT FRE	QUENCY	OF RELA	TIVE H	YTIDINY	BY HOUR	
JUR .	MAX	992	95%	50%	5%	14	MIM	HEAN	TOTAL	HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
6030	81	75	73	71	68	66	59	70.8	2042	60803	.0	.0	3.2	25.1	45.3	26.4	84	1060
	87		79	74	70	68	59	74.2	2037	12615	.0	2.0	13.8	39.7	34.6	10.0	78	1073
	85	81	78	73	69	68	59	73.3	2710	18621	.0	.5	9.8	36.3	1810	13.4		1084
	(TM	OUR MAX SMT) DE03 81 DE09 84 ZE15 87 DE21 85	DUR MAX 99% (MT) (203 81 75 (209 84 77 (2015 87 82 (301 85 81	DUR MAX 99% 95% (MT) (MT) (MT) (MT) (MT) (MT) (MT) (MT)	MEANS, EXTREMES AND PERCENT (MR. MAX 99% 95% 50% (MR.) 1003 81 75 73 71 1003 84 77 75 71 1015 87 82 79 74 1021 85 81 78 73	MEANS, EXTREMES AND PERCENTILES JUR MAX 99% 95% 50% 5% 1817 75 71 68 182 87 82 79 74 70 1821 85 81 78 73 69	TUR MAX 99% 95% 50% 5% 1% MT1 1203 81 75 73 71 68 66 66 869 84 77 75 71 68 66 66 869 84 77 75 71 70 68 862 79 74 70 68 8621 85 81 78 73 69 68	MEANS, EXTREMES AND PERCENTILES OF TEMP (DE JUR MAX 99% 95% 50% 5% 1% MIN INT) 1003 81 75 73 71 68 66 59 1009 84 77 75 71 68 66 60 1015 87 82 79 74 70 68 59 1021 85 81 78 73 69 68 59 1021 85 81 78 73 69 68 59	MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) B SUR MAX 99% 95% 50% 5% 1% MIN MEAN SHT) 1003 81 75 73 71 68 66 59 70.8 1004 84 77 75 71 68 66 60 71.0 1015 87 82 79 74 70 68 59 74.2 1021 85 81 78 73 69 68 59 73.3	MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR JUR MAX 99% 95% 50% 5% 1% MIN MEAN TOTAL JEGS 81 75 73 71 68 66 59 70.8 2042 JEGS 87 82 79 74 70 68 59 74.2 2037 JEGS 87 82 79 74 70 68 59 74.2 2037 JEGS 88 81 78 73 69 68 59 73.3 2710	MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR JUR MAX 99% 95% 50% 5% 1% MIN MEAN TOTAL (GMT) 1803 81 75 73 71 68 66 59 70.8 2042 00609 1809 84 77 75 71 68 66 60 71.0 2785 06609 1815 87 82 79 74 70 68 59 74.2 2037 12615 1821 85 81 78 73 69 68 59 73.3 2710	MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR PERCONNER MAX 99% 95% 50% 5% 1% MIN MEAN TOTAL HOUR 0-29 1817) 1803 81 75 73 71 68 66 59 70.8 2042 00603 .0 1809 84 77 75 71 68 66 60 71.0 2785 06609 .0 1815 87 82 79 74 70 68 59 74.2 2037 12615 .0 1821 85 81 78 73 69 68 59 74.2 2037 12615 .0	MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR PERCENT FRE	MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR PERCENT FREQUENCY JUR MAX 99% 95% 50% 5% 1% MIN MEAN TOTAL OBS (GMT) 1003 81 75 73 71 68 66 59 70.0 2042 00803 .0 .0 3.2 1619 84 77 75 71 68 66 60 71.0 2785 06609 .0 .3 4.7 1615 87 82 79 74 70 68 59 74.2 2037 12615 .0 2.0 13.6 1621 85 81 78 73 69 68 59 74.2 2037 12615 .0 2.0 13.6	MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR PERCENT FREQUENCY DF RELA JUR MAX 99% 95% 50% 5% 1% MIN HEAN TOTAL 1803 81 75 73 71 68 66 59 70.8 2042 00603 .0 .0 3-2 25.1 1809 84 77 75 71 68 66 60 71.0 2785 06609 .0 .3 4.7 23.0 1815 87 82 79 74 70 68 59 74.2 2037 12815 .0 2.0 13.8 39.7 1821 85 81 78 73 69 68 59 73.3 2710 18821 .0 .5 9.8 36.3	MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR PERCENT FREQUENCY OF RELATIVE HI OUR MAX 99% 95% 50% 5% 1% MIN MEAN TOTAL OUR MAX 99% 95% 50% 5% 1% MIN MEAN TOTAL OUR MAX 99% 95% 50% 5% 1% MIN MEAN TOTAL OUR MAX 99% 95% 50% 5% 1% MIN MEAN TOTAL OUR MAX 99% 95% 50% 5% 1% MIN MEAN TOTAL OUR M	MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR PERCENT FREQUENCY OF RELATIVE HUHIDITY MAX 99% 95% 50% 5% 1% MIN MEAN TOTAL MOUN 0-29 30-59 60-69 70-79 80-89 90-100 (GHT) 1003 81 75 73 71 68 66 59 70.8 2042 00603 .0 .0 3.2 25.1 45.3 26.4 1009 84 77 75 71 68 66 60 71.0 2785 00609 .0 .3 4.7 23.0 47.9 24.0 1019 87 75 76 77 78 77 78 77 78 78 78 78 78 78 78 78	MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR PERCENT FREQUENCY OF RELATIVE HUNIDITY BY HOUR NAX 99% 95% 50% 5% 1% MIN HEAN TOTAL (BT) 1803 81 75 73 71 68 66 59 70.8 2042 00603 .0 .0 3.2 25.1 45.3 26.4 84.4 84.4 84.4 84.4 84.4 84.4 84.4 8

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PERIOD:	(PRIMARY)	1923-1973
	(OVER-ALL)	

7	 LE	7

AREA 0003 CASABLANCA SW 31.7N 13.2W

										-			
	THP DIF		64	68	72	73	77 80	84	**	TOT	FOG	FOG	
	14/16	.0	.0	.0	.0	.0			.0	13	.0	-1	
	9/10	.0	.0	.0	.0	:1	.2	. 3	.1	34	.0	.7	
	7/8	.0	.0	.0	.i		1.0	.3	.0	83		1.6	
		.0	.0		.2	.3	.5		.0	49		1.0	
	5	.0	.0	.0	.3	1.7	1.2	.1	.0	149	.2	3.0	
	4	.0	.0	.1		2.7	.9		.0	209	.1	4.4	
	3	.0	.0	.1	1.3	4.2	.5		.0	279	.3	5.8	
	2	.0	.0	.3	3.2	6.5	.5		.0	481	.3	10.1	
	1	.0	.0	.2	8.2	7.9		.0	.0	750	.3	16.0	
	0	.0		.6	15.7	6.3	.2		.0	1046	.5	22.2	
	-1	.0	.0	.5	13.3	1.8			.0	719	.2	15.4	
	-2	.0	.0	.8	7.2	1.0	.1		.0	414	.1	8.9	
	-3	.0	.0	.4	2.9	.4	.0	.0	.0	171	.1	3.6	
	-4	.0		.5	1.6	.3		.0	.0	109	.0	2.4	
	-5	.0	.0	.3	.6	.2	.0	.0	.0	46	.0	1.0	
	-6	.0		.1	.2	.0	.0	.0	.0	18	.0	.4	
	-7/-8				.2	.0	.0	.0	.0	13	.0	.3	

PERIOD: (OVER-ALL) 1963-1973

TABLE 18
PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

							3							
HGT	1-3	4-10	11-21	N 22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.6	1.9	11-51				PCT							
1-2	:4	9.1	4:8	:0	.0	.0	14.4	:1	4:3	4:0	:0	:0	.0	8:6
3-4	.1	5.7	12.1	.3	.0	.0	18.2		2.4	9.1	.4	.0	.0	11.9
5-6		.9	8.8	.,	.0	.0	10.7	.0	-:4	7.2	.9	.0	.0	8.5
7	.0	.2	4.2	1.0		:0	5.5	.0	.2	2.6	1.1		.0	3.8
8-9	.0			.5	.0	.0	1.4	.0	.0	.4		.0	.0	3.0
10-11	.0	.0	.5		.0	.0		.0	.0	.2	.1	.0	.0	.9
12	.0	.0	.1		.0	.0		.0	.0	.1	.i	.0	.0	
13-16	.0	.0	.0	.3 .1 .0	.0	.0	• •	.0	.0	.0	.1	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	• • •	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	-0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.1	17.9	31.6	3.4	•1	.0	54.0	.0	8.1	23.7	3.1	•	.0	35.3
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1		.0	.0	.0	.0	:2	.0	•1	.0	.0	.0	.0	.1
1-2	.0	.2	.0	.0	.0	.0	.2			.0	.0	.0	.0	.1
3-4	.0	.1	.2	.0	.0	.0	.3	.0		.1	.0	.0	.0	.1
5-6	.0	.0	.1	.0	.0	.0	:1	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	•0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	:0	.0	.0	.0	:0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	:0	.0	.0	.0	.0	:0	.0	:0	.0	.0	.0
07+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.1	.4	.3	.0	.0	.0	.7		.1	.1	.0	.0	.0	.3

									AUGUST							
PERIOD:	IDVE	R-ALL)	1963-1	1973				TABLE	18 CCONT	,			AREA	31.7	ASABLA	NCA SW
				PC	T FREQ 0	-	SPEED	(KTS)	AND DIRE	CTION	VERSUS	SEA HEIG	HTS (FT			
				5								SW				
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10		22-33	34-47	48+	PCT	
<1	.1		.0	.0	.0	.0	.1		.1		0	.0	.0	.0	.5	
1-2	.1	.2	.0	.0	.0	.0	.3		.1	• 2		.0	.0	.0	.3	
3-4	.0	.0		.0	.0	.0			.0			.0	.0	.0		
5-6	.0	.0		.0	.0	.0	:		.0	• 6		.0	.0	.0	.0	
8-9	.0	.0	•	.0	.0	.0			.0	.0		.0	.0	.0		
	.0	.0	.0	.0	.0	.0	.0		.0	• 9			.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0		.0	• (.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0		.0	• 6			.0	.0	.0	
13-16	.0	.0		.0	.0	.0	.0		.0	• 0			.0	.0	.0	
		.0	.0	.0	.0	.0			.0	• 6			.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0		.0	• 6			.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0		.0	• (.0	.0	.0	
	.0	.0	.0	.0	.0	.0	.0		.0	• (.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0		.0	• 9			.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0		.0	• (.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0		.0	• (.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0		.0	• (.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0		.0	•6			.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0		.0	• (.0	.0	.0	
TOT PCT	.1	.3	.1	.0	.0	.0	.5		•2	• • • • • • • • • • • • • • • • • • • •	1	.0	.0	.0	.5	
												NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1		.2	.0	.0	.0	.0	.2		.1			.0	.0	.0	.7	
1-2	.1	.7	.1	.0	.0	.0	.8		.3	3.1		.0	.0	.0	3.7	
3-4	.0	.2	.1	.0	.0	.0	.3		.0		7	.0	.0	.0	1.4	
5-6	.0		.0	.0	.0	.0			.0		3		.0	.0	.4	
7	.0	.0	.0	.0	.0	.0	.0		.0	. (.1	.0	.0	.0	.1	
8-9	.0	.0	.0	.0	.0	.0	.0		.0		0	.0	.0	.0		
10-11	.0	.0	.0	.0	.0	.0	.0		.0	. (*		.0	.0		
														.0		
12	.0	.0	.0	.0	.0	.0	.0		.0	.(.0		.0	
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0		.0	• • • • • • • • • • • • • • • • • • • •	.0	.0	.0	.0	.0	
13-16 17-19 20-22	.0	.0	.0	.0	.0	.0	.0		.0	•0	.0	.0	.0	.0	.0	
13-16 17-19 20-22 23-25	.0	.0	.0	.0	.0	.0	.0		.0 .0	• • • • • • • • • • • • • • • • • • • •	.0	.0	.0	.0	•0	
13-16 17-19 20-22 23-25 26-32	.0	.0	.0	.0	.0	.0	.0		.0	•0	.0	.0	.0	.0	.0	
13-16 17-19 20-22 23-25 26-32 33-40	.0	.0	.0	.0	.0	.0	.0		.0	•0	.0	.0	.0	.0	•0	
13-16 17-19 20-22 23-25 26-32 33-40 41-48	.0	.0	.0	.0	.0	.0	.00.00		.0	•0	0 .0	.0	.0	.0	•0	
13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60	.0	.00.00	.0	.0	.0	.00000000000000000000000000000000000000	.00.00		.0	•0	0 .0	.0	.0	.0	.0	
13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60 61-70	.00.00.00.00.00	.0	.0	.0	.0	.000000000	.0		.0	•0	0 .0	.0	.0	.0	.0	
13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60 61-70 71-86	.0	.00.00	.0	.0	.0	.00000000000000000000000000000000000000	.0		.0	•0	0 .0	.0	.0	.0	.0	
13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60 61-70	.00.00.00.00.00	.0	.0	.0	.0	.000000000	.0		.0	•0 •0 •0 •0 •0 •0 •0		.0	.0	.0	.0	98.9

	MIND	SPEED	(KTS)	VS SEA	HETGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	2.6	3.5	.4	.0	.0	.0	6.5	
1-2	1.2	17.9	9.1	.0	.0	.0	28.2	
3-4	.1	9.1	22.2		.0	.0	32.1	
5-6		1.4	16.4	1.8		.0	19.7	
7	.0	.4	6.8	2.1		.0	9.4	
8-9	•0	.1	1.2	1.1	.0	.0	2.3	
10-11	•0	.0	.7	.4	.0	.0	1.1	
12	•0	.0	.2	.4	.0	.0	.6	
13-16	•0	.0	.0	.1	.0	.0	.1	
17-19	•0	.0	.0	.0	.0	.0	.0	
20-22	•0	.0	.0	.0	.0	.0	.0	
23-25	•0	.0	.0	.0	.0	.0	.0	
26-32	•0	.0	.0	.0	.0	.0	.0	
33-40	•0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	•0	.0	.0	.0	.0	.0	.0	
61-70	•0	.0	.0	.0	.0	.0	.0	
71-86	•0	.0	.0	.0	.0	.0	.0	
87+	•0	.0	.0	.0	.0	.0	.0	
						100	120	2693
TOT PCT	3.9	32.5	57.1	6.5	.1	.0	100.0	

PERIO): (OV	ER-ALL	194	9-1973	,				TABLE	19											
					PERCENT	FRE	QUENCY	OF WA	VE HEIG	HT (FT) VS	WAVE P	ERIOD	(SECON	DS)						
PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.8	8.0	12.6	7.8	3.6	.9	.4	.1		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1163	4
6-7	.0	1.5	6.0	9.6	6.3	2.9	1.0	.4		.0		.0	.0	.0	.0	.0		.0	.0	948	5
8-9	.0	.7	2.1	3.4	3.7	1.7	1.1	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	452	6
10-11	.0	.6	.7	1.0	1.1	.6	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	153	6
12-13	.0	.0	.5	.6	.4	.2	.1		.0			.0	.0	.0	.0	.0	.0	.0	.0	63	6
>13	.0	.0	.0	.4	.3	.1		.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	28	7
>13 INDET	1.0	3.8	5.4	3.7	2.1	1.0	.5		.1	.0	.0		.0	.0	.0	.0		.0	.0	598	4
TOTAL	62	493	928	902	591	250	122	39		1	2	0	0	0	0	0	0	0	0	3405	5
PCT	1.8	14.5	27.3	26.5	17.4	7.3	2.6	1.1	-4		- 1		.0	- 0	- 0	-0	- 0	-0	- 0	100-0	

SEPTEMBER

PERIOD: (PRIMARY) 1923-1973 (OVER-ALL) 1854-1973

0

TABLE 1

AREA 0003 CASABLANCA SW 31.7N 13.1W

0

	FRESHENCY		MEATHER	Declinaches		-	DIRECTION
PENCEILI	PREGOENCE	UF	MENINEK	DCCURRENCE	01	WILL	DIVECTION

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HATL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE		
N	:1	.5	.2	.0	.0	.0	.0	.9	.6	.3	.6	.0	1.7	.0	95.9
NE	.2		.2	.0	.0	•0	.0	.5	.5	.5	.5	.0	1.6	.0	96.5
E	.5	.8	2.2	.0	.0	•0	.0	3.5	1.1	1.9	1.3	.0	.5	.0	91.7
SE	1.5	.8		.0	.0	•0	.0	2.3	.0	2.3	2.3	.0	.0	.0	94.7
S	3.0	1.2	.0	.0	.0	.0	.0	5.2	.0	1.8	1.8	.0	.0		93.0
SW	.5	2.9	.1	.0	.0	•0	.0	3.6	1.6	.7	1.1	.0	1.2		92.0
W	1.3	1.6	1.7	.0	.0	•0	.0	4.1	1.6	.3	.7	.0	1.0		92.3
NW	.1	1.3	.6	.0	.0	•0	.0	1.9	1.2	.9	1.7	.2	.9	.0	93.1
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	•0	.0	.0	1.0	1.0	3.9	.0	1.9		92.2
TOT PCT	4658	.6	.4	.0	.0	.0	.0	1.2	.7	.5	. 8	•	1.5	.0	95.3

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG	SNUM	OTHER FRZN PCPN	HATL	PCPN AT	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	
00603	.2	.3	.4	.0	.0	.0	.0	.8	.7	1.0	.9	.1	1.3	.0	95.2
90300	.3	.6	.2	.0	.0	.0	.0	1.2	.8	.8	1.1	.0	1.2	.0	94.9
12615	.6	.5	.5	.0	.0	•0	.0	1.5	.6	.1	.4	.0	1.8	.0	95.7
18621	.2	.7	.4	.0	.0	•0	.0	1.3	.7	.2	1.4	.0	1.7	.0	94.7
TOT PCT	4821	.5	.4	.0	.0	•0	.0	1.2	.7	.5	1.0		1.5	.0	95.1

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

				ED (KN									HOUR	(GHT)			
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	FREQ	SPD	00	03	06	09	12	15	18	21
N NE	1.8	18.4	15.8	1.3	:	.0		37.4	10.9	37.4	39.9	37.9	36.1	36.7	33.3	39.5	34.7
E	.3	1.6	.6		.0	.0		2.5	8.2	2.8	1.8	2.5	3.4	2.2	2.4	2.1	2.6
SE	.2	.5	.1		.0	.0		.8	6.0	.7	.0	.7	1.0	1.1	.2	.8	.6
5	.4	1.1	.3	.1	.0	.0		1.8	7.5	1.8	3.1	1.8	1.5	2.2	1.8	1.7	1.4
SW	1.0	2.4	1.0	.2	.0	.0		4.5	8.3	4.6	1.5	3.3	4.6	4.7	6.2	5.2	5.5
	1.1	3.7	.8		.0	.0		5.6	7.0	6.0	4.6	5.5	6.3	5.3	6.3	4.8	7.3
NW	1.3	6.6	1.4		.0	.0		9.3	7.4	9.1	11.6	9.5	9.1	7.9	10.9	9.7	11.6
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	2.6							2.6	.0	2.9	2.1	2.5	3.0	2.6	1.6	2.2	2.2
TOT OBS	913	4517	3317	323	5	0	9075		10.1	1762		1774	839	1867	126	1794	816
TOT PCT	10.1	49.8	36.6	3.6	.1	.0		100.0			100.0					100.0	

TABLE 3A

				(KNOTS)						HOUR	(GHT	,
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL	PCT	MEAN	00	06	12	18
				x 1,20		OBS	FREQ	SPD	03	09	15	21
N	8.6	22.4	6.2	.2	.0		37.4	10.9	37.5	37.3	36.5	38.0
N	6.6	21.2	7.2	.4	.0		35.4	11.8	34.8	35.9	37.3	34.0
E	1.1	1.2	.2	.0	.0		2.5	8.2	2.8	2.8	2.2	2.3
SE	.6	.2			.0		.8	6.0	.7	. 8	1.1	.7
S	1.1	.6	.1		.0		1.8	7.5	1.8	1.7	2.2	1.6
	2.2	1.8	.5	.1	.0		4.5	8,3	4.4	3.7	4.8	5.3
SW	2.9	2.6	.1	.0	.0		5.6	7.0	5.9	5.8	5.4	5.6
NW	4.5	4.6	.3		.0		9.3	7.4	9.3	9.4	8.1	10.3
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	2.6						2.6	.0	2.9	2.7	2.6	2.2
TOT OBS	2745	4948	1321	61	0	9075		10.1	1859	2613	1993	2610
TOT DET	30 3		14.4			-0						100.0

S	c	0	•	£	м		

PERIOD: (PRIMARY) 1923-1973 (DVER-ALL) 1854-1973

TABLE 4

AREA 0003 CASABLANCA SW 31.7N 13.1W

PERCENTAGE	FREQUENCY	OF	MIND	SPEED	BY	HOUR	(GMT)

HOUR	CALM	1-3	4-10	WIND	SPEED (*NOTS1	48+	MEAN	PCT	TOTAL
60300	2.9	8.1	48.8	36.4	3.8	.1	.0	10.2	100.0	1859
90300	2.7	8.0	50.1	35.9	3.3		.0	9.9	100.0	2613
12615	2.6	5.9	50.5	37.4	3.5	.1	.0	10.2	100.0	1993
18621	2.2	7.8	49.5	36.7	3.7	.1	.0	10.1	100.0	2610
TOT	232	681	4517	3317	323	5	0	10.1		9075
PCT	2.6	7.5	49 8	36.6	3.6	.1	.0		100.0	

TARLE .

				WOLE ?														
,	CT FRE			CLOUD A		(EIGHTHS)		1					CEILIN					
WNO DIR	0-2	3-4	5-7	8 & 085CD	TOTAL	CLOUD COVER	000 149	150	300 599	999	1999	2000 3499	3500 4999	5000 6499	6500 7999	9000+	NH <5/8	
N	16.2	10.5	11.1	2.9		3.5			.1	1.6	4.1	2.7	1.3	.5	.1	.3	29.7	
NE	13.0	10.2	10.0			3.6	.0		.1	1.3	3.6	2.7	1.7	.3	.2	.1	25.8	
E	.5	.4	.6	.1		4.0		.0		.0	.1	.1	. 1	.0	.0		1.2	
SE	.1	.1	.3	.1		4.7		.0	.0		.1	.1			.1	.0	.3	
S	.5	.4	.6	.2		4.1		.1	.0	.0	.2	.1	.1				1.2	
SW	1.1	1.1	1.3			4.2		.0		.1	.4	.3	.2		.0	.0	3.1	
	1.9	1.1	1.2			3.4	.0			.2	.2	.3	.2		.0	.1	3.5	
NW	3.8	2.6	1.7			3.3				.2	.6	.6	.1		.0	.1	6.9	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	1.1	.6	.5	.2		3.0		.0	.1	.1	.2	.1	.1	.0		.0	1.7	
TOT OBS	1511	1063	1081	301	3956	1.5	5	7	15	135	380	283	150	38	18	24	2901	3956
TOT PCT	38.2	26.9	27.3	7.6	100.0		.1	.2	.4	3.4	9.6	7.2	3.8	1.0	.5	.6	73.3	100.0

TABLE 7

CUMULATIVE PCT FRE	Q OF	SIMULT	ANED	IS DC	CURRENCE
OF CEILING HEIGH	T (NH	1 >4/8)	AND	VSBY	(NM)

VSBY (NM)		
CEILING . OR . OR . OR . OR . OR	• DR	- OR
(FEET) >10 >5 >2 >1 >1/2 >1/4	>50YD	>0
• OR >6500 .7 1.0 1.1 1.1 1.1 1.1	1.1	1.1
• OR >5000 1.6 2.0 2.0 2.0 2.0 2.0	2.0	2.0
* OR >3500 4.9 5.7 5.9 5.9 5.9 5.9	5.9	5.9
• OR >2000 10.6 12.6 12.9 12.9 12.9 12.9	12.9	12.9
. 0. >1000 18.8 22.0 22.4 22.4 22.4 22.4	22.4	22.4
. OR >600 21.8 25.3 25.9 25.9 25.9 25.9	25.9	25.9
• DR >300 22.0 25.6 26.2 26.2 26.2 26.2	26.2	26.2
. OR >150 22.1 25.8 26.4 26.4 26.4 26.4	26.4	26.4
* OR > 0 22.1 25.8 26.5 26.5 26.5 26.5 TOTAL 896 1044 1073 1074 1075 1075	26.6	26.6

TUTAL NUMBER OF DBS: 4054

PCT FREQ NH <5/8: 73.4

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 08SC0 08S 14.2 15.8 17.4 15.7 10.1 7.1 7.3 6.1 6.1 .2 4235

SE			

								SEP	TEMBER							
PERIOD: (PRIMAR		923-1973 854-1973						TA	BLE 8				ARE		CASABLE	ANCA SW
			P	ERCENT	FREG D	F WIN	DIRE	TH VAR	VS DCC	URRENCE ALUES	F VIS	ON-OC	URRENC	E OF		
	VSBY (NM)		N	NE	F	SE	5	SW		NW	VAR	CALM	PCT	TOTAL		
	<1/2	PCP NO PCP TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1			
	1/2<1	PCP NO PCP TOT %	.0	.0 .1 .1	.0	.0	.0	.0	.0	.0 .1 .1	.0	.0	.0			
	1<2	PCP NO PCP TOT %	.0	.0	.0	.0	.0	.0	.0	:	.0	.0	.5			
	2<5	PCP NO PCP TOT %	:5	.3	.0	.0	:	.1 .1	:	.0 .1 .1	.0	.0 .1 .1	1.0 1.1			
	5<10	PCP NO PCP TOT %	5.5 5.7	4.9	.1 .5 .6	.2	.3	.6 .7	.1 .9 1.0	1.1 1.2	.0	.0 .2 .2	.5 14.1 14.6			
	10+	PCP NO PCP TOT \$	33.3 33.5	30.2 30.3	1.4	.5	1.4	3.3 3.3	3.8 3.8	7:2 7:3	.0	1.9	82.8 83.3			
		TOT OBS	39.9	35.8	2.0	.7	1.8	4.1	4.8	8.7	.0	2.2	100.0	4652		

TABLE 9 PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD	N	NE	E	SE	s	SW		NW	VAR	CALM	PCT	TOTAL
	0-3	.0			.0	.0	.0	.0	.0	.0			
<1/2	4-10	.0	.0	*		.0	.0	.0	.0	.0			
	11-21			.0	.0	.0	.0	.0		.0			
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT \$.0	.0	.0		.0			
	0-3	.0		.0	.0	.0	.0	.0	.0	.0			
1/2<1				.0	.0	.0	.0	.0		.0		.1	
	11-21		.1	.0	.0	.0	.0	.0		.0		.1	
	22+			.0	.0	.0	.0	.0	.0	.0			
	TOT %		.1	.0	.0	.0	.0	.0	.1	.0		.2	
	0-3			.0	.0	.0	.0	.0	.0	.0	.0		
1<2	4-10	.1	.1	.0	.0			.0	.0	.0		.1	
	11-21		.1		.0	.0	.0	.0		.0		.1	
	22+		.0	.0	.0	.0	.0	.0	.0	.0			
	TOT %	.2	.0		.0			.0		.0	.0	.4	
	0-3	.1	.0		.0			.0		.0	.1	.2	
2<5	4-10	.1	.1	.0			*		*	.0		.4	
	11-21	.2	.2		*	.0	.1			.0		.5	
	22+		*	.0	.0	.0	.0	.0		.0		.1	
	TOT %	.4	.4	.1		.1	.1		.1	.0	.1	1.2	
	0-3	2.2	.2	.1	.1	.1		.1	.1	.0	.2	1.1	
5<10		2.2	2.1	.3	.1	.2	.3	.5	.7	.0		6.4	
	11-21	2.5	2.4	.1	.0	.1	.2	.1	. 2	.0		5.6	
	22+	.3	.3		.0		.1			.0		.7	
	TOT %	5.2	4.9	.5	.1	.4	.6	.8	1.0	.0	.2	13.8	
	0-3	1.5	.8	.2	.1	.2	.7	.7	1.2	.0	2.0		
10+	4-10	15.9	13.3	1.1	.4	.9	1.8	2.8	5.3	.0		41.5	
	11-21	14.3	14.8	.3	.1	.2	.7	.6	1.1	.0		32.2	
	22+	1.2	1.9				.1	.0		.0		3.2	
	TOT \$	32.9	30.9	1.7	.6	1.3	3.3	4.1	7.5	.0	2.0	84.3	
	TOT 085												6679
	TOT PCT	38.7	36.5	2.3	. 8	1.8	3.9	4.9	8.8	.0	2.3	100.0	

EPT	EM	RE	

PERIOD:	(PRIMARY)	1923-1973
	COVED-ALLS	1054 1072

TABLE 10

AREA 0003 CASABLANCA SW 31.7N 13.1W

PERCENT	FREQUENCY	OF CE	ILING	HEIGHTS	(FEET, NH	>4/8)	AND
				4 /5/9 0			

									1711117				
HOUR (GMT)	000 149	150	300 599	600	1000	2000 3499	3500 4999	5000 6499		8000+	TOTAL	NH <5/8 ANY HGT	TOTAL
00603	.1	.1	.6	3.2	8.9	5.9	3.8	.9	.2	.1	23.9	76.1	968
06609	.3	.4	.1	4.3	12.7	7.9	4.9	.7	.9	1.1	33.2	66.8	1054
12615	.2	.0	.6	2.4	7.1	7.2	3.4	1.3	.2	.6	22.9	77.1	1116
18621	.1	.2	.2	3.4	8.4	6.4	2.9	. 8	.5	.7	23.5	76.5	1046
TOT	7	7	16	139	387	287	157	38	18	27	1083	3101 74.1	4184

TABLE 11

TABLE 12

		PERCENT	FREQUEN	CY VSBY	(NM)	BY HOUR		CUMULAT					VSBY (NM)	
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL
00603	.0	.3	.3	1.7	13.9	83.7	1493	00003	.1	.9	5.2	20.0	74.8	929
06609	.1	.1	.4	1.4	16.9	81.1	1876	90360	• 2	.7	6.3	28.1	65.6	1021
12815	•2	.1	.4	.9	11.4	86.9	1621	12615	.2	.9	4.6	19.8	75.6	1086
18621	.2	.4	.5	.7	13.7	84.5	1851	18821	.1	.5	4.5	19.8	75.6	1018
TOT PCT	.1	16	28	81 1.2	963	5746 84.0	6841 100.0	TOT PCT	6	30	208	890	2956	4054

TABLE 13

TABLE 1

						•									1000					
	PERC	ENT FR	EQUENC	Y OF R	ELATIV	E HUMI	DITY B	Y TEMP	TOTAL	PCT		PERC	ENT FRE	QUENC	Y OF W	IND DI	RECTIO	N BY T	EMP	
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100		FREQ	N	NE	E	SE	s	SW		NW	VAR	CALM
85/89	.0	.0	.0	.0	.0		.0	.0	1		.0	.0	.0	.0	.0	.0		.0	.0	.0
80/84	.0	.0	.0		.3	.3		.1	38	1.0	.4	3						.1	.0	.0
75/79	.0	.0	.0	.5	2.4	6.2	3.3	.7	502	13.0	5.2	4.5	.2	.1	.2	. 8	.5	1.0	.0	.3
70/74	.0	.0	.0	.7	8.7	27.5	28.2	10.6	2928	75.7	30.0	27.5	1.5	.4	1.3	3.0	4.0	6.9	.0	1.2
65/69	.0	.0	.0	.1	1.0	2.9	4.0	2.1	389	10.1	4.3	3.8	. 2		.1	. 3	.3	.7	.0	.4
60/64	.0	.0	.0	.0		.1	.1	.1	12	.3	.1	.1			.0	.1	.1	.0	.0	.0
TOTAL	0	0	0	51	477	1436	1384	522		100.0										
PCT	.0	.0	.0	1.3	12.3	37.1	35.8	13.5			39.9	36.1	2.0	.6	1.7	4.1	4.9	8.7	.0	1.9

TABLE 15

	MEANS,	EXTREM	ES AND	PERCEN	TILES	OF TE	MP (DE	(F) B	Y HOUR		PERC	ENT FRE	QUENCY	OF RELA	TIVE H	YTIDIMU	BY HOU	1
HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL	HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
60300	78	75	74	71	68	66	61	71.1	1887	00803	.0	.3	7.4	29.2	43.2	19.8	82	930
90300	82	77	75	71	68	65	61	71.2	2656	06609	.0	.5	8.5	32.4	40.7	17.9	81	1020
12815	86	82	79	74	70	68	60	74.4	1955	12615	.0	2.5	18.8	45.2	26.2	7.2	76	1024
18821	84	81	78	73	70	66	60	73.3	2567	18621	.0	1.7	13.8	41.3	33.6	9.6	78	1017
TOT	86	81	77	72	68	66	60	72.4	9065	TOT	0	51	489	1485	1427	539	79	3991

SEPTEMBER

PERIOD: (PRIMARY) 1923-1973 (UVER-ALL) 1854-1973

TABLE 17

AREA 0003 CASABLANCA SW 31.7N 13.1W

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FDG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

		40000								
AIR-SEA THP DIF	57	61	65	69	73 76	77	81	TOT	FOG	FOG
14/16	.0	.0	.0	.0	.0			2	.0	
11/13	.0	.0	.0	.0			.2	11	.0	.3
9/10	.0	.0	.0	.1	.1	.1	.1	18	.0	.4
7/8	.0	.0	.0	.1	.3	.5	.2	47	.0	1.1
6	.0	.0	.0	.1	.3	.5	.0	40	.0	.9
5	.0	.0		.3	1.0	. 8	.1	96	.0	2.3
4	.0	.0	.1	.7	1.7	1.1	.0	155	.1	3.6
3	.0	.0	.1	.8	2.5	.9	.0	186	.0	4.4
2	.0	.0	.2	2.0	5.8	. 8		376	.1	8.8
1	.0	.0	.5	4.2	7.4	.3	.0	524	.2	12.2
0	.0	.1	.5	11.6	7.7	.2	.0	852	.1	20.0
-1			.7	15.0	4.5			857	.3	19.9
-2	.0	.0	.7	9.4	2.1		.0	517	.2	12.0
-3	.0		.6	5.0	.7	.0	.0	268	.0	6.3
-4	.0		.4	2.5	.5	.0	.0	146	.0	3.4
-5	.0		.4	1.1	.1	.0	.0	68		1.6
-6	.0		.3	.5	.0	.0	.0	35		.8
-7/-8	.0	.1	.1	.4		.0	.0	27	.0	.6
-9/-10	•0	.1	.1		.0	.0	.0	12	.0	.3
-11/-13	.0			.1	.0	.0	.0	6	.0	.1
TOTAL	1		203		1465		31		39	4204
		20		2293	S ISTAIL	230		4243		
PCT		.5	4.8	54.0	34.5	5.4	-7	100.0	.9	99.1

PERIOD: (OVER-ALL) 1963-1973

				PC	T FREQ	OF WIND	SPEED	(KTS)	AND DIRE	TION V	ERSUS S	EA HEIG	HTS (FT)			
				N								NE				
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	.7	2.3	.2	.0	.0	.0	3.2		.4	1.6		.0	.0	.0	2.0	
1-2	.3	10.5	3.0	.0	.0	.0	13.8		.4	7.4	2.9	.0	.0	.0	10.7	
3-4	.1	4.8	8.0	.7	.0	.0	13.6			4.6	7.0	.3	.0	.0	11.9	
5-6	.0	.9	4.5	.2	.0	.0	5.5		.0	.8	4.3	.6	.0	.0	5.8	
7	.0	.1	2.1	.6	.0	.0	2.7		.0	.1	2.3	.6	.0	.0	2.9	
8-9	.0	.1	.4	.2	.0	.0	.6		.0	.0	.4	.4	.0	.0	. 8	
10-11	.0	.1	.1	.1	.0	.0	.4		.0		.1	.1	.0	.0	.2	
12	.0	.0		.0	.0	.0			.0	.0		.1	.0	.0	.1	
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0	.1	
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
TOT PCT	1.1	18.8	18.2	1.8	.0	.0	39.9		.8	14.5	17.1	2.2	.0	.0	34.5	
				E												
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	.1	.4	.1	.0	.0	.0	.5		.0	.3	.0	.0	.0	.0	.3	
1-2		. 8	.1	.0	.0	.0	. 8		.1	.2	.1	.0	.0	.0	.3	
3-4		.1	.2	.0	.0	.0	.4		.0	.1	.0	.0	.0	.0	.1	
5-6	.0	.0		.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.1	.0	.0	.0	.1		.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0		.0	.0	.0			.0	.0		.0	.0	.0		
10-11	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0		.0	.0			.0	.0	.0		.0	.0		
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.1	1.2	.5		.0	.0	1.9		.1	.6	-1		.0	.0	.7	

								•	EPTE	MBER							
PERIOD:	(QAE	R-ALL)	1963-1	973				TABLE	18 (CONT)				AREA	31.		.IW
				PC	T FREQ	OF WIND	SPEED	(KTS)	AND	DIREC	TION	VERSUS S	EA HEIG	HTS (FT)			
	The state of			s			1					No.	SW				
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT			1-3	4-10		22-33	34-47	46+	PCT	
<1	.1	• •	_	.0	.0	.0	.6				5	.0	.0	.0	.0	2.0	
1-2	.0	.6	:1	.0	.0	:0	:7			:	1.7	.2	.0	.0	.0		
5-6	.0	.1	.1		.0	.0	.2			.0	.1	.3	.0	.0	.0	.4	
7	.0	.0		.0	.0	.0				.0	.0		.1	.0	0	.1	
8-9	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
23-25	.0	0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
49-60	.0	.0	.0	.0	•0	.0	.0			.0	.0		.0	.0	.0	.0	
61-70	.0	.0	.0	.0	•0	.0	.0			.0	•0		.0	.0	.0	.0	
71-86	.0	.0	.0	.0	•0	.0	.0			.0	.0		.0	.0	.0	.0	
87+	.0	.0	.0	.0	•0	.0	.0			.0	.0		.0	.0	.0	.0	
TOT PCT	.1	1.2	.4		•0	.0	1.7			.4	2.7	.,	•2	.0	.0	4.2	
				w									NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT			1-3	4-10		22-33	34-47	48+	PCT	PCT
<1	.4	.7	.0	.0	.0	.0	1.0			.6	1.4		.0	.0	.0	2.0	
1-2	.3	2.2	.2	.0	.0	.0	2.7			.3	3.6		.0	.0	.0	4.5	
3-4		• 7	.3	.0	•0	.0	1.0				1.3		.0	.0	.0	1.9	
5-6	.0	.1	• 5	.0	.0	.0	.3			.0	•1		.0	.0	.0	.4	
8-9	.0	.0	.1	.0	•0	.0	.1			.0			.0	.0	.0	.1	
10-11	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0			.0	•0		.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0			.0	•0		.0	.0	.0	.0	
TOT PCT	.7	3.7	. 8	.0	.0	.0	5.2			.9	6.4	1.5		.0	.0	8.8	97.0

		MIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
н	GT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<	1	6.8	7.6	.4	.0	.0	.0	14.8	003
	-2	1.7	26.5	7.0	.0	.0	.0	35.3	
	-4	• 2	11.7	16.3	1.1	.0	.0	29.3	
	-6	.0	2.0	9.5	.8	.0	.0	12.3	
	7	.0	2	4.5	1,2	.0	.0	6.0	
	-9	.0	.1	.8	.6	.0	.0	1.5	
	-11	.0	.1	.2	.2	.0	.0	.5	
1			.0		.2	:0	.0	.2	
	-16	.0			.2				
		•0	.0			.0	.0	.1	
	-19	•0	.0	.0	.0	.0	.0	.0	
	-22	•0	.0	.0	.0	.0	.0	.0	
23	-25	•0	.0	.0	.0	.0	.0	.0	
26	-32	.0	.0	.0	.0	.0	.0	.0	
33	-40	•0	.0	.0	.0	.0	.0	.0	
41	-48	0	.0	.0	.0	.0	.0	.0	
	-60	.0	.0	.0	.0	.0	.0	.0	
	-70	•0	.0	.0	.0	.0	.0	.0	
	-86	.0	.0	.0	.0	.0	.0	.0	
	87+								
	01+	• 0	.0	.0	.0	.0	.0	.0	
									2503
,01	PCT	8.7	48.3	38.7	4.2	.0	.0	100.0	

PERIOD	: (OV	ER-ALL) 194	9-197	,				TABLE	19											
					PERCENT	FRE	QUENCY	OF W/	VE HEI	SHT (F	T) ys	WAVE P	ERIOD	(SECON	DS)						
PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	HEAN
6-7	2.3	9.3	11.8	5.3	5.0	1.8	1.0	• 1		.0	.0	.0	.0	:0	:0	.0		.0	.0	1033	3 5
8-9 10-11	.0	.3	2.2	3.7	3.1	1.9	1.4	•		.0	.0				.0	.0		.0	.0	413	6
12-13	.0	.0	1.0	1.1	1.4	.3	.2		:1	:0	.0	:0	.0	.0	.0	:0	.0	.0	.0	104	
1NDET	3.1	3.3	4.5	3.7	1.7	:1	:3	:		.0	.0	.0	.0		.0	.0	.0	.0	:0	561	:
PCT	3.1 168 5.3	15.5	867	740		6.5	124	1.0	30	1	.0	0	0	0	.0	.0	.0	.0	.0	3147	5

PERIOD: (PRIMARY) 1923-1973 (OVER-ALL) 1856-1973

TABLE 1

AREA 0003 CASABLANCA SW 31.7N 13.1W

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	DTHER FRZN PCPN	HAIL	PCPN AT	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	NO SIG WEA
N NE	:1	1.1	:2	.0	.0	.0	:0	1:5	1.2	:5	:6	-1	.3	:1	95.8
E	1.0	.3	1.2	.0		.0	.0	2.4	1.5	2.3	1.0	.8	.4	.0	91.7
SE	3.2	3.0	1.1	.0	:0	.0	.0	7.3	4.5	2.3	.7	.0	.0	.0	85.1
S	2.6	2.8	.6	.0	.0	•0	.0	6.0	3.7	3.2	.3	.0	.3	.0	87.1
SW	4.2	2.4	1.1	.0	.0	.0	.0	7.7	4.7	2.2	.4	.0	.6	.0	84.6
	1.8	2.1	.2	.0	.0	.0	.0	4.0	4.2	2.4	.6	.0	.4	.2	88.7
NW	1.6	2.2	.2	.0	.0	.0	.0	3.9	4.1	.1	.6	.0	.2		91.0
VAR	.0	•0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.6	.0	.0	.0	.0	.0	.6	.0	.6	2.2	.0	1.1	.0	95.5
TOT PCT	1.0	1.4	.4	.0	.0	.0	.0	2.7	2.1	1.0	.6	.1	.4	.1	93.1

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	NO SIG WEA
60300 60300	1.3	1.4	:4	.0	.0	.0	.0	3.1	2.1	2.0	.9	:1	.5	.0	91.4
12615	1.1	1.1	:2	.0	.0	•0	.0	2.3	2.1	:1	:8	.0	:4	.0	94.5
TOT PCT	5318	1.4	.4	.0	.0	•0	.0	2.8	2.0	1.0	.7	.1	.4	.1	93.1

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

				ED (KN	75.								HOUSE	(GMT)			
WND DIR	0-3			22-33		48+	TOTAL	PCT	MEAN SPD	00	03	06	09	12	15	18	21
N NE	1.5	13.2	9.6	1.2		.0		25.5	10.7	26.8	26.8	23.9	25.5	23.6	26.5	27.7	25.7
E	. 8	3.0	1.5	.2		.0		5.5	9.0	5.4	9.0	5.9	6.1	5.3	4.0	4.9	5.9
SE	.4	1.7	.6	.1	.0	.0		2.7	7.9	2.7	1.8	3.4	2.3	3.0	1.5	2.4	2.2
S	.6	2.5	1.7	.2		.0		5.1	10.0	5.8	8.3	4.5	4.7	5.6	6.8	4.9	4.0
SW	.8	4.0	2.7			.0		7.9	10.6	8.2	5.1	8.4	7.3	7.8	7.6	8.1	7.7
NW	1.0	4.6	2.6	.5	.1	.0		8.8	10.2	7.4	13.4	9.5	8.4	8.6	9.7	8.7	10.2
NW	.9	6.3	2.7	.5	.1	.0		10.5	9.8	9.6	11.6	9.7	10.9	10.4	14.4	11.5	11.4
VAR	.0	.0	.0	.0		.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	3.2							3.2	.0	4.1	2.2	4.2	2.1	3.0	3.0	2.3	
TUT OBS	996	4806	3311	504	42	2	9661		10.3	1904	136	1874	855	2024	132	1899	837
TOT PCT	10.3	49.7	34.3	5.2	.4			100.0			100.0						

TABLE 3A

WND DIR	0-6	WIND 7-16	SPEED 17-27	(KNDTS) 28-40	41+	TOTAL DAS	PCT	MEAN SPO	00	HDU1 06 09	12 15	18
N NE	6.9	14.5	3.8	:5	.0		25.5	10.7	26.8	24.4	23.8	27.1
E	2.2	2.8	.5	.1	.0		5.5	9.0	5.6	5.9	5.3	5.2
SE	1.5	1.0	.2		.0		2.7	7.9	2.6	3.1	3.7	4.6
SW	2.7	3.7	1.4	:1			7.9	10.6	8.0	6.1	7.8	7.9
NW	3.0	4.4	1.0	.3			8.8	10.2	7.8	9.1	8.7	9.1
VAR	.0	5.4	1.1	.3	.0		10.5	9.8	9.7	10.1	10.7	11.5
CALM	3.2						3.2	.0	4.0	3.6	3.0	2.4
TOT OBS	2972	5129	1392	163	.1	9661	100.0	10.3	100-0	100-0	2156	100.0

OCTOBER				

PERIOD: (PRIMARY) 1923-1973 (OVER-ALL) 1856-1973

TABLE 4

AREA 0003 CASABLANCA SW 31.7N 13.1W

PERCENTAGE	FREQUENCY	OF	WIND	SPEED	BY	HOUR	(GMT)	

HQUR	CALM	1-3	4-10	WIND	SPEED (KNOTS) 34-47	48+	MEAN	PCT	TOTAL
60300	4.0	6.9	51.9	31.8	5.0	.4		10.0	100.0	2040
90300	3.6	7.0	50.9	33.3	4.9	.4	.0	10.0	100.0	2729
12615	3.0	7.0	48.3	35.6	5.5	.6	.0	10.6	100.0	2156
18621	2.4	7.5	48.1	30.0	5.5	.4		10.5	100.0	2736
TOT	311	685	4806	3311	504	42	2	10.3		9661
PCT	3.2	7.1	49.7	34.3	5.2	.4			100.0	-

....

TARLE A

				ADLE 3									ADLE O					
,	CT FRE			CLOUD A		(EIGHTHS)			PERCEN	TAGE F	REQUEN	CY OF	CEILIN NH <5/	G HEIG	HTS (T, NH	94/8) DN	
WND DIR	0-2	3-4	5-7	8 & 085CD	TOTAL	CLOUD COVER	000 149	150	300 599	999	1000	2000 3499	3500 4999	5000	6500 7999	8000+	NH <5/8 ANY HGT	
N.	9.9	8.4	7.5	1.5		3.5	.0		.2	7	2.5	1.9	:6	.2	.2	-1	21.0	
NE	10.6	8.3	9.1	1.7		3.6		•	•	1.0	2.7	2.5	. 9	.4	•1	•2	21.8	
E	1.6	1.1	1.4	.6		3.7	.0			.3	.5	•2	.2			.1	3.5	
SE	.8	.3	.9	.7		4.7		.0		.2	.4	• 2	.1	.1			1.6	
S	1.3	1.3	2.3	.9		4.6	.0		.1	.3	.5	.6	.3	.1	.1	.1	3.8	
SW	1.7	1.8	2.5	.9		4.4	.0	.0	.1	.6	. 8	.5	.3	.2	.0		4.5	
	2.2	2.5	2.8	.6		4.0	.0	.0	.1	.3	.9	.6	.1	.1		.1	5.8	
NW	3.3	3.6	3.2			3.8	.0			.3	.9	.6	.3		.1	.2	8.3	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	1.9	.6	1.0	.3		3.0	.1	.0		.1	.2	.2	.0	.0			3.1	
TOT DBS	1433	1192	1311	335	4271	3.7	5	7	27	158	402	315	122	47	22	37	3129	4271
TOT PCT	33.6	27.9	30.7	7.8	100.0		.1	.2	.6	3.7	9.4	7.4		1.1	.5	.9	73.3	100.0

TABLE 7

CUMULATIVE	PCT	FREQ	OF	SIMULTANFOUS	DCCURRENCE
OF CETLIN	IC HE	TOHT	IN	SA/RI AND V	CHY (NH)

					VSBY (NE	1)			
0	EILING	- DR	- DR	- DR	- DR	- OR	. DR	- DR	- DR
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
. DR	>6500	1.2	1.4	1.4	1.4	1.4	1.4	1.4	1.4
. 08	>5000	2.0	2.4	2.5	2.5	2.5	2.5	2.5	2.5
. DR	>3500	4.6	5.3	5.3	5.3	5.3	5.4	5.4	5.4
. 08	>2000	10.7	12.7	12.8	12.8	12.8	12.8	12.8	12.8
. Op	>1000	18.3	21.5	21.9	22.0	22.0	22.0	22.0	22.0
. OF	>600	21.2	25.0	25.6	25.7	25.7	25.7	25.7	25.7
. DR	>300	21.6	25.5	26.2	26.3	26.3	26.4	26.4	26.4
. OR	>150	21.7	25.6	26.4	26.5	26.5	26.5	26.5	26.5
. DR	> 0	21.7	25.7	26.4	26.5	26.5	26.6	26.6	26.6
. DR >	TOTAL	953	1126	1158	1162	1163	1165	1167	1168

TUTAL NUMBER OF OBS: 4384

PCT FREQ NH <5/8: 73.4

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7		DBSCD	DBS
14.1	13.2	18.1	16.5	10.9	7.4	7.8	6.1	5.A	-1	4654

PERIOD:	(PRIMARY)	1923-1973
	(OVER-ALL)	1856-1973

2

TABLE 8

AREA 0003 CASABLANCA SW

3

0

ALL!	030-1413							BLE .					31
		,	ERCENT	FREQ PREC	OF WIN	D DIRE	CTION TH VAR	VS DCC	ALUES I	F VIS	IBILI	URRENC	E OF
VSBY (NM)		N	NE	F	SF	s	SW		NW	VAR	CALM	PCT	TOTAL
	PCP	.0	.0	.0	.0	.0				.0	.0		
<1/2	NO PCP			.0	.0	.0	.0	.0	.0	.0	.1	.1	
	TOT \$		•	.0	.0	.0			•	.0	.1	.1	
	PCP	.0	.0	.0	.0	.0		.0	.0	.0	.0		
1/2<	NO PCP		.1		.0			.0	.0	.0	.0	.2	
	TOT %		.1	•	.0			.0	.0	.0	.0	.2	
	PCP		.0	.0	.0			.0	.0	.0	.0	.1	
1<2	NO PCP				.0	.0			.0	.0		.1	
	TOT &				.0		.1		.0	.0		.2	
	PCP		.0		.0		.1	.1	.1	.0	.0	.3	
2<5	ND PCP	.3	.2	.0		.1	.2		.1	.0		.9	
	TOT \$.3	.2			.2	.3	.1	.1	.0		1.3	
	PCP	.2	.2	.1	.1	.2	.2	.1	.3	.0	.0	1.3	
5<10	NO PCP	3.6	3.9	.8	.4	.8	1.6	1.8	1.0	.0	.5	14.4	
	TOT %	3.8	4.1	. 8	.5	1.0	1.8	1.9	1.3	.0	.5	15.7	
	PCP	.1	.1		.1	.2	.2	.1	.1	.0		1.0	
10+	NO PCP	22.4	24.8	4.1	2.1	4.6	5.2	6:7	8.8	.0	2.9	81.6	
	TOT %	22.5	25.0	4.1	2.2	4.8	5.4	6.8	8.9	.0	2.9	82.6	
	TOT 085												5115
	TOT PCT	26.7	20.2	5 0	2.7	5.0	7 4		10 2	•		100 0	

PERCENT	FREQ	OF W	IND I	DIREC	TION	VS	WIND	SPEED
WI	TH V	ARYIN	VA	LUES	OF VI	SIE	ILITY	1

VSBY (NM)	SPD	N	NE	E	SE	s	SW		NW	VAR	CALM	PCT	TOTAL
	0-3	.0	.0		.0			.0	.0	.0		.1	-
<1/2	4-10			.0	.0	.0	.0	.0	.0	.0			
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0				.0			
	TOT \$.0					.0		.2	
	0-3			.0	.0	.0	.0	.0	.0	.0	.0		
1/2<1	4-10	.0						.0	.0	.0		.1	
	11-21			.0	.0	.0		.0	.0	.0			
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %							.0	.0	.0	.0	.0	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0			
1<2	4-10			.0	.0	.0			.0	.0		.1	
	11-21				.0			.0	.0	.0		.1	
	22+	.0		.0	.0	.0			.0	.0		.1	
	TOT %				.0	*	.1		.0	.0		.2	
	0-3	.0	.0	.0	.0	.0	.1		.0	.0	.1	.1	
2<5	4-10	.1	.1	.0			.1		.1	.0		.4	
	11-21	.2	.1		.0	.1	.1		.1	.0		.5	
	22+	.0		.0	.0		.1	.1		.0		.3	
	TOT %	.3	.2			.1	:1	:1	.2	.0	.1	1.2	
	0-3	.3	.2	.1	.1	.1	.1	.1		.0	.5	1.4	
5<10	4-10	1.7	1.6	.4	.3	.3	.8	. 8	.6	.0		6.5	
	11-21	1.3	1.8	.4	.2	.3	.5	.5	.3	.0		5.3	
	22+	.3	.3			.1	.1	.2	.2	.0		1.2	
	TOT %	3.6	3.9	.9	.5	.8	1:5	1.5	1.2	.0	.5	14.4	
	0-3	1.3	1.2	2:5	1.5	2.3	2:5	.7		.0	2.6	8.3	
10+	4-10	12.1	12.4	2.5	1.5	2.3	2.7	3.6	5.8	.0		43.0	
	11-21	8.8	11.0	1.0	.4	1.6	1.9	1.7	2.2	.0		28.6	
	22+	1.0	1.6	.2	.1	.2	.3	.2	.3	.0		3.8	
	TOT \$	23.2	26.2	4.2	2.3	4.6	5.3	6.2	9.1	.0	2.6	83.8	
	OT 085							-					7187
1	OT PCT	27.2	30.4	5 2			7.2	7.0	10.5	- 0	2.2	100.0	

PERIOD: (PRIMARY) 1923-1973 (OVER-ALL) 1856-1973

TABLE 10

AREA 0003 CASABLANCA SW 31.7N 13.1W

PERCENT FREQUENCY OF CEILING HFIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000	150 299	300 599	999	1000	2000 3499	3500 4999	5000	6500	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL
00603	.3	.2	.8	3.2	8.1	6.4	2.7	.7	.4	.5	23.4	76.6	1096
06609	.0	.2	.8	4.0	11.1	7.3	2.6	1.1	.7	.9	28.6	71.4	1056
12615	.1	.2	.7	3.8	8.7	7.9	2.8	1.0	.3	1.0	26.6	73.4	1251
18621	-1	.0	.2	3.2	8.0	6.9	2.8	1.3	.6	1.0	24.2	75.8	1158
TOT	.1	.2	28	162	408	326	125	48	22	40	1171 25.7	3390 74.3	4561

TABLE 11

TABLE 12

		PERCENT	FREQUENCY	VSBY	(NM)	BY HOUR		CUMULAT	CEILIN	FREQ G HGT	OF RAN	GES OF NH >4/8	VSBY (NM)	AND/DR
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL
00603	.2	.2	.4	1.4	14.6	83.2	1683	€0300	.4	1.6	6.1	19.7	74.2	1031
90360	.2	.0	.3	1.3	17.4	40.8	1940	90300	.0	1.1	6.1	23.9	70.0	1012
12615	.2	.1	.2	1.2	11.8	86.5	1761	12615	-1	1.2	6.3	22.0	71.7	1212
18621	.1	.3	•1	1.1	14.3	84.1	1994	18621	.2	.4	4.7	20.5	74.8	1129
TOT	13		17	93	1075		7378 100.0	TOT	.2	46	254	944	3186 72.7	4384

TABLE 1

-

	PERC	EN! PR	EQUENC	T UF R	FLAITA	HUMI	DITY B	1 IEMP	TOTAL	PCT		PERC	EN! PR	ENGENC	1 UF W	IND OI	KECIIO	N BY T	FMP	
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	DBS	FREQ	N	NE	E	SE	5	SW		NW	VAR	CALM
80/84	.0	.0		.0	.1	.2		.0	15	.4		.2	.0	.0		.1	.0		.0	.0
75/79	.0	.0		:3	1.3	3.6	2.0	.3	320	7:5	1.6	2.8	.4	.2	.5	:5	.6	.4	.0	.4
70/74	.0	.0		1.2	8.8	22.3	24.0	9.3	2805		17.1	19.1	2.8	1.6	4.5	5.2	6.0	7.2	.0	2.0
65/69	.0	.0		.5	3.5	9.1	8.1	4.4	1095	25.6	7.5	7.2	1.6	. 8	.8	1.2	2.2	3.5	.0	.7
60/64	.0	.0	.0			.2	.4	.2	36	.8	.3	.2	.1		.0	.1	.1	.1	.0	.0
55/59	.0	.0	.0	.0	.0			.0	2			.0	.0	.0	.0	.0	.0	.0	.0	
TOTAL	0	0	4	85	585	1514	1476	609	4273	100.0										
PCT	.0	.0	.1	2.0	13.7	35.4	34.5	14.3			26.6	29.5	4.9	2.8	5.9	7.1	8.9	11.1	.0	3.2

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR MAX 99% 95% 50% 5% 1% MIN MEAN TOTAL DBS

HOUR	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL
(GMT)	82	75	73	70	66	64	59	69.9	085 2095
90300	85	76	74	70	66	62	58	69.8	2754
12615	84	81	78	73	68	65	59	72.7	2128
18621	84	79	76	71	67	64	60	71.3	2710
TOT	85	79	76	71	66	64	58	70.9	9687

	PERC	ENT PRE	ROENCT	UP KELA	ITAE H	DWIDILL	BT HUUI	
HOUR (GHT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
60300	.0	1.2	9.5	31.2	38.6	19.6	81	1094
90360	.0	1.0	9.1	32.2	38.7	19.0	81	1069
12615	.0	3.3	21.7	39.8	27.1	8.2	76	1164
18621	.0	2.6	13.2	37.7	34.4	12.1	78	1101
TOT	0	91	599	1563	1530	645	79	4428

PERIOD: (PRIMARY) 1923-1973 (OVER-ALL) 1856-1973

TABLE 17

AREA 0003 CASABLANCA SW 31.7N 13.1W

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (AITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

			-							
AIR-SEA	57	61	65	69	73	77	81	TOT	W	WO
THP DIF	60	64	68	72	76	80	84		FOG	FOG
14/16	.0	.0	.0	.0		.0		3	.0	.1
11/13	.0	.0	.0	.0	.1	.1	.1	12		.2
9/10	.0	.0	.0		.1	.3	.1	27		.5
7/8	.0	.0		.1	.3	. 3	.1	40	.0	.2 .5 .8
6	.0	.0		.2	.2	.3		34		.7
6	.0	.0	.0	.5	.7	.9		103		2.2
4	.0			.6	1.3	.7	.1	128		2.7
3	.0	.0	.2	.9	2.1	.3	.0	164		3.4
2	.0		.4	2.3	3.6	.2		323	.1	6.7
1		.0	.5	4.7	4.2	.1	.0	448		9.4
0	.0	.2	1.4	11.7	5.1	.1	.0	873	.1	18.3
-1	.0	.1	1.4	16.6	2.4	.1	.0	974	.1	20.5
-2		.2	2.7	10.8	1.0	.1	.0	700	.1	14.7
-3			2.7	5.5	.5	.0	.0	410	.1	8.6
-4	.0	.1	2.4	2.6	.2	.0	.0	250	.0	5.3
-5	.0	.2	1.3	1.5	.1	.0	.0	142	.0	3.0
-6	.0	.1	.7	.3		.0	.0	53		1.1
-7/-8		.2	.3	.2	.0	.0	.0	35		:7
-9/-10		.1	.1	.1	.0	.0	.0	12	.0	.3
-11/-13	.0			.0	.0	.0	.0	4		.1
-14/-16			.0	.0	.0	.0	.0	2	.0	
TOTAL	6		664		1047		20		33	4704
		61		2774		165		4737		
PCT	.1	1.3	14.0	58.6	22.1	3.5	.4	100.0	.7	99.3

PERIOD: (OVER-ALL) 1963-1973

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

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17-12
20-22
23-25
26-32
33-40
41-48
49-60
61-70
71-86
67+
TOT PCT 1-3 4-47 1-3

									OCTO	BER							
PERIOD:	COAE	R-ALL)	1963-1	1973				TABLE	18 (CONT				AREA		CASABLA	NCA SW
				PC	T FREG							Veneue	SEA HEIG	ute /ET			
						Or WIND	SPEED		-10	DINEC	TUN	AFK202	SEA HEIG	m13 (F)			
HGT	1-3	4-10	11-21	\$ 22-33	34-47	48+	PCT			1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	.2	.5	.1	.0	.0	.0				.2	.6		.0	.0	.0	. 8	
1-2	.1	1.4	.2	.0	.0	.0	1.7				1.7		.0	.0	.0	2.4	
3-4	.0	.6	.8		.0	.0	1.4				.5	1.0		.0	.0	1.5	
5-6	.0	.1	.5	.2	.0	.0	. 8			.0	.1	. 9	.2	.0	.0	1.2	
7	.0	.1	.2	.2	.0	.0	.5			.0	.1	.3	.1	.0	.0	.5	
8-9	.0	.0			.0	.0	.1			.0		.1	.3	.1	.0	.5	
10-11	.0	.0	.0			.0	.1			.0	.1	.0	.1	.0	.0	.2	
12	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0		
13-16	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0		
17-19	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0		.0		
20-22	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
61-70 71-86	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
TOT PCT	.0	2.7	1.9	.4	.0	.0	5.3			.0	.0		.0	.0	.0	.0	
101 701	.,					.0	7.9			.,	3.0	3.0	.9	.1	.0	7.2	
													NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT			1-3	4-10		22-33	34-47	48+	PCT	PCT
<1	.4	.8	.0	.0	.0	.0	1.2			.5	1.5		.0	.0	.0	2.0	
1-2	.2	8.5	.7	.0	.0	.0	3.7			-1	4.1		.0	.0	.0	5.0	
3-4	.0	1.0	1.1	.0	.0	.0	2.1			.0	1.0		.1	.0	.0	1.9	
5-6	.0	.3	.7	.1	.0	.0	1.1			.0	• 2		.2		.0	1.3	
7	.0	.1	.4	.1	.0	.0	.7			.0			.2	.0	.0	.6	
10-11	.0	:	.2	.1	.0	.0	.3			.0	.0		.1		.0	.1	
12	.0	.0	.0		.1	.0	.2			.0	.0		.1	.0	.0	.2	
13-16	.0	.0	.0	.1	.0	.0	.1			.0	.0			.1	.0	•1	
17-19	.0	.0	.0	.0	.1	.0				.0	•0		.1	.0	.0	.1	
20-22	.0	.0	.0	.0	•1	.0	.1			.0	•0		.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0					•0				.0	.0	
26-32	.0	.0	.0	:0	.0	:0	:0			.0	.0		.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	:0			.0	.0		.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0			.0			.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
TOT PCT	.6	5.0	3.1	.5	.2	.0	9.4			.6	6.8		.9	.1	.0	11.4	95.8
			-									,			.0		

	MIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	8.5	8.1	.5	.0	.0	.0	17.1	UBS
1-2	1.6	28.5	7.2	.0	.0	.0	37.3	
3-4	.1	10.4	11.9	.6	.0	.0	22.9	
5-6	•0	1.6	9.8	1.4		.0	12.8	
7	•0	.4	3.4	1.5		.0	5.3	
8-9	•0	.1	.7	1.2	.2	.0	2.2	
10-11	.0	.1	.3	.4	.2		1.1	
12	.0	.1		.3	.1	.0	.5	
13-16	.0	.0	.0	.5	.1		.6	
17-19	.0	.0	.0	.1	.1	.0	.2	
20-22	.0	.0	.0	.0		.0		
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	•0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	•0	.0	.0	.0	.0	.0	.0	
87+	•0	.0	.0	.0	.0	.0	.0	
-	10.		22.0				100 0	2722

PERIOD): (OV	ER-ALL	1 194	9-197	,				TABLE 1	9											
					PERCENT	FRE	QUENCY DF	WAV	E HEIGH	T (F1	r) ys 1	AVE P	ERIDO	(SECON	DS)						
PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16 1	7-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
6-7	2.3	1.4	10.2	7.3	3.5	2:1	:3	:1	.1	:0	:0	.0	:0	:0	:0	:0	:0	.0	:0	1013	3 5
8-9 10-11	.0	:5	2.5	1.6		1.8	1.1	.6	:4	.1	.0		.0		.0	.0	.0	.0	.0	500 260	6
12-13	.0	.0	1.4			.3	.5	•1	.3		.1		.0		.0	.0	.0	.0	.0	153	7
>13 INDET	3.7	4.8	4.2	4.0	2.6	1.3	.6	.3	:2	.0	.3	.0	.0		.0	.0		.0	.0	778	10
TOTAL	210	570	871	786	13.8	7.4	148	69	1.9	11	17	6	0	0	0	0	0	0	0	3494	5

0 0

NOVEMBER

PERIOD: (PRIMARY) 1923-1973 (OVER-ALL) 1856-1973

TABLE 1

AREA 0003 CASABLANCA SW 31.7N 13.1W

0 0

PERCENT	FREQUENCY	OF	WEATHER	OCCURRENCE	BY	WIND	DIRECTION

			,	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	GTHER FRZN PCPN	HATL	PCPN AT	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	SIG WEA
N NE	1.6	3.3	1.0	.0	.0	.0	.2	6.1	3.6	:7	:3	.0	.0	.0	89.5
	.8	1.1	.4	.0	.0	.0	.0	2.3	1.7	.5		.0			95.2
E	2.1	1.5	1.2	.0	.0	.0	.0	4.8	2.2	1.4	1.4	.0	.5	.2	89.6
SE	3.2	3.2	1.7	.0	.0	.0	.1	8.3	4.2	4.3	.4	.0	1.0	.0	82.3
S	5.3	3.0	1.7	.0	.0	.0	.2	10.2	4.1	3.9	.0	.0	.5	.2	81.7
SW	3.5	4.1	. 8	.0	.0	.0	.0	8.1	4.3	3.5	.0	.0	.0	.1	84.2
	3.0	4.6	1.8	.0	.0	.0	.0	9.2	7.9	2.1	.5	.0	.0	.0	80.8
NW	3.0	3.7	. 8	.0	.0	.0		7.5	5.0	1.2	.3	.0	.2	.2	85.8
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	3.1	.0	1.5	.0	.0	.0	.0	4.6	2.3	3.1	.8	.0	1.5	.0	88.5
101 PCT TOT 085:	2.3	2.7	1.0	.0	.0	.0	.1	5.9	3.6	1.6	.4	.0	.2	.1	88.4

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

PRECIPITATION TYPE OTH											OTHER	WEATHER	PHEND	HENA	
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HATL	PCPN AT	PCPN PAST HOUR	THDR	FDG WO PCPN	FOG WO PCPN PAST HR		SPRAY BLWG DUST BLWG SNOW	NO SIG WEA
00603 06609 12615 18621	3.3 2.3 1.5 2.3	2.1 3.1 2.9 2.8	1.1 1.2 .8 1.0	.0	.0	.0	.0 .1 .0	6.4 6.7 5.1 6.2	4.0 3.7 3.5 3.3	3.4 2.6 .3	.6 .5 .1	.0	.0 .1 .5	.1 .0 .1	86.0 86.7 90.6 89.2
TOT PCT TOT OBS:	2.3	2.7	1.0	.0	.0	.0	.1	6.1	3.6	1.8	.4	.0	.2	.1	88.2

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

					-								-					
		WI	ND SPE	ED IKN	OTSI								HOUR	(GHT)				
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	DBS	FREQ	SPD	00	03	06	09	12	15	18	21	
N NE	1.0	8.2	8.4	1.8	.2	.0		19.5	12.4	19.3	18.5	19.3	19.6	19.5	18.3	19.7	20.5	
E	.6	5.1	3.1	.5		.0		9.3	10.4	9.1	7.7	8.9	10.8	9.8	12.7	8.6		
SE	.4	2.7	1.9	.5		.0		5.5	11.3	6.1	7.1	5.8	5.0	5.5	5.3	4.9	5.7	
5	.6	2.7	2.3	.5	.1	.0		6.1	11.3	6.1	5.5	6.1	6.1	7.3	4.2	6.2	4.1	
SW	.6	3.3	2.9	.8	.1			7.7	12.3	7.1	7.1	7.7	7.9	8.0	10.5	7.9	7.2	
	.6	3.5	3.0	1.0	.2	.0		8.2	12.8	8.3	6.9	7.9	8.0	7.7	9.2	9.0	8.8	
NW	.6	5.3	3.9	1.5	.2	.0		11.5	12.9	10.3	16.5	11.0	12.6	11.7	14.3	12.1	11.1	
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	2.3							2.3	.0	3.0	1.6	2.9	1.2	2.2	.0	2.0		
TOT OBS	709	4177	3905	877	102	1	9771		12.0	1885	123	1958	883	2029	138	1907	848	
TOT PCT	7.3	42.7	40.0	9.0	1.0			100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TARLE 34

					140	CE 34						
WND DIR	0-6		SPEED 17-27	(KNOTS) 28-40	41+	TOTAL	PCT	MEAN SPD	00	HDU1 06 09	12 15	18 21
N NE	1:1	10.3	4:4	:5	.0		19.5	12:4	19.3	19.4	19.4	19.9
	2.8	5.0	1.4	.1	.0		9.3	10.4	9.0	9.5	10.0	8.7
SE S	1.7	2.5	1.1	.2			5.5	11.3	6.2	5.5	5.5	5.1
5	1.8	3.0	1.1	.2			6.1	11.3	6.1	6.1	7.1	5.0
SW	2.1	3.5	1.6	.4	.1		7.7	12.3	7.1	7.8	8.1	7.7
NW	2.0	3.8	1.9	:5			8.2	12.8	8.2	7.9	7.8	8.9
	2.5	5.7	2.5	.7			11.5	12.9	10.7	11.5	11.9	11.0
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	2.3						2.3	.0	2.9	2.4	2.0	1.9
TOT OBS	2358	4972	2113	313	15	9771		12.0	2008	2841	2167	2755
TOT PCT	94 1		21 4						100 0			

NOVEH	BER

PERIOD: (PRIMARY) 1923-1973 (OVER-ALL) 1856-1973

TABLE 4

AREA 0003 CASABLANCA SW 31.7N 13.1W

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

				WIND	SPEED (KNOTS)			PCT	TOTAL
HOUR	CALM	1-3	4-10	11-21	22-33	34-47	48+	HEAN	FREQ	DBS
00603	2.9	4.3	42.2	40.9	8.8	.8	.0	11.9	100.0	2008
90300	2.4	5.4	44.6	38.5	8.1	1.1	.0	11.6	100.0	2841
12615	2.0	4.9	41.4	40.3	10.2	1.2		12.4	100.0	2167
18621	1.9	5.1	42.3	40.5	9.1	1.1	.0	12.1	100.0	2755
TOT	223	486	4177	3905	877	102	1	12.0		9771
PCT	2.3	5.0	42.7	40.0	9.0	1.0		-	100.0	

,	CT FRE			DIREC		(EIGHTHS)							CEILIN NH <5/					
WND DIR	0~2	3-4	5-7	OBSCD	TOTAL OBS	CLOUD	000 149	150	300 599	600 999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	
N	4.4	5.3	6.9	2,5		4.4	.1	.0	.2	1.2	3.1	1.8	.8	.2	.1	.1	11.8	
NE	7.8	7.0	9.2	4.0		4.3		.0	.1	1.2	3.3	2.8	1.4	.5	.2	.4	18.1	
E	2.8	1.7	2.8	1.5		4.2		.0		.4	.7	.9	.2	.1		.3	6.1	
SE	1.2	1.1	1.9	1.3		5.0		.0		.5	.8	.6	.3	.1		.1	2.9	
•	1.5	1.4	2.7	1.6		4.9		.0	.1	.6	.8	.7	.3	.1		.1	4.5	
SW	1.7	1.8	2.9	1.7		5.0	.0		.1	.5	1.1	.9	.3	.1		.1	4.9	
	1.5	2.3	3.6	1.6		5.0	.0	.0	.1	.7	1.5	1.1	.4	.1		.0	5.1	
NW	2.2	3.8	4.3	1.4		4.5	.1	.0		.9	1.7	1.1	.4				7.4	
				= -			.0		.1					•	. 0	•		
VAR	.0	.0	.0	.0		•0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.8	.6	.6	.5		4.1	.0	.0		.2	.3	.2	.1		.0	.0	1.8	
TOT OBS	1046	1098	1541	713	4398	4.5	9	1	30	268	594	446	185	54	17	46	2748	4398
TOT PCT	23.8	25.0	35.0	16.2	100.0		.2		.7	6.1	13.5	10.1	4.2	1.2	.4	1.0	62.5	100.0

TABLE 7

CUMULATIVE	PCT	FREQ	OF	SIMULTANEOUS	DCCURRENCE
OF CET! 1	NO 11	THOT	IN	JA/el AND V	CAV (NH)

				VSBY (NH	1			
(FEET)	• NR >10	- OR >5	- DR	- OR >1	= OR >1/2	- OR	>50YD	= DR >0
- OR >6500	1.3	1.5	1.5	1.5	1.5	1.5	1.5	1.5
■ DR >5000	2.5	2.7	2.7	2.7	2.7	2.7	2.7	2.7
■ OR >3500	6.1	6.8	6.9	6.9	7.0	7.0	7.0	7.0
■ DR >2000	14.3	16.7	17.0	17.0	17.0	17.0	17.0	17.0
- DR >1000	25.1	29.7	30.3	30.4	30.4	30.4	30.4	30.4
■ DR >600	29.7	35.6	36.4	36.4	36.5	36.5	36.5	36.5
■ DR >300	30.1	36.2	37.0	37.1	37.2	37.2	37.2	37.2
- DR >150	30.1	36.2	37.0	37.2	37.2	37.2	37.2	37.2
- OR > 0	30.2	36.4	37.2	37.3	37.4	37.4	37.4	37.4
TOTAL	1365	1646	1685	1690	1692	1692	1693	1693

TOTAL NUMBER OF 085: 4527 PCT FREQ NH <5/8: 62.6

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 OBSCD OBS 10.3 11.3 14.1 14.4 11.9 8.5 9.2 8.0 12.1 .1 4804

PERIOD:	(PRIMARY) 19 (OVER-ALL) 10	923-1973 856-1973						TAB	LE 8				ARE		CASABLANCA SW 31.7N 13.1W
			PE	RCENT	FREG O	F WIND	DIRECT	TION V	S DCCU	RRENC	E DR N	IBILIT	URRENC Y	E OF	
	VSBY (NM)		N	NE	E	SE	\$	SW		NW	VAR	CALM	PCT	TOTAL	
	41.45	PCP NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	<1/2	TOT &	:	.0		.0	.0	.0	.0	:	.0	.0	:1		
		PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	1/2<1	NO PCP	:	:	:1	.0	.0	.0	.0	.0	.0	.0	:1		
	1<2	PCP NO PCP	.0	.0	.0	.0	*		:	:	.0	.0	.1		
	142	TOT \$.0	.0	.0	.0	.0	••	.1		.0	.0	.1		
	2<5	PCP NO PCP	:1	.2	:0	:1	:1	.1	:1	:1	.0	.0	.5		
	263	MO LCL	• •			.1	. 1		.1	.1	.0		. 4		

.3 .3 1.2 .9 1.5 1.2

7.3

1.2

8.7 11.7

.000

5350

PCP .6 .4 NO PCP 2.8 3.1 TOT x 3.4 3.5 PCP .5 .3 10+ NO PCP 15.3 23.8 TOT x 15.8 24.0

TOT 085 TOT PCT 19.5 27.7 .3 1.0 1.3

7:1 3:8 7:2 4:0

8.7

5.6

TABLE 9 VSBY SPD (NM) KTS 0-3 (1/2 4-10 11-21 22+ TOT \$

1/2<1 0-3 4-10 11-21 22+ TOT \$

1/2<1 0-3 4-10 11-21 22+ TOT \$

1<2 0-3 4-10 11-21 22+ TOT \$ PCT TOTAL N .00 * .0 * .0 * .0 * .0 * .1 .2 * .3 000000 000000 000000 000000 000000 .0 .1 .1 .1 .1 .1 .2 .1 .5 .3 1.5 2<5 4-10 11-21 22+ 707 \$.6 .5 .1 .1 .3 .6 .2 1.1 1.3 .5 3.1 1.3 1.5 .5 3.3 .1 .3 .5 .2 3.0 2.4 .8 6.7 2.1 1.2 .3 TOT 085 TOT PCT 20.5 29.0 8.1 5.2 6.7 8.1 8.2 12.0 .0 2.2 100.0

NO			

PERIOD: (PRIMARY) 1923-1973 (OVER-ALL) 1856-1973

TABLE 10

AREA 0003 CASABLANCA SW 31.7N 13.1W

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND GCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000	150 299	300 599	999	1000	2000	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL
60300	.5	.0	.5	6.1	11.7	8.1	2.5	.7	.1	1.0	31.3	68.7	1100
90300	.1	.1	.7	5.1	14.4	10.3	4.1	1.2	.4	1.1	37.7	62.3	1142
12615	.1	.1	.5	5.7	12.3	9.7	5.5	2.0	.7	1.0	37.6	62.4	1273
18621	-1	-0		7.0	12.4	10.8	4.3	.7	. 3	1.0	38.5	61.5	1466

TOT 9 2 30 280 607 456 195 56 18 49 1702 2979 4681 PCT .2 * .6 6.0 13.0 9.7 4.2 1.2 .4 1.0 36.4 63.6 100.0

TABLE 11

TABLE 12

		PERCENT	FREQUEN	CY VSBY	(NM)	BY HOUR		CUMULAT	TVE PCT	FREQ	OF RAN	GES OF NH >4/8	VSBY (NM)	AND/OR
HOUR (GHT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL
00603	.1	.1	1.	1.7	14.3	83.6	1662	00003	.6	1.1	8.6	24.4	67.0	1049
90360	.1	.1	.1	1.5	16.3	82.0	2098	90360	.2	1.0	7.0	32.0	61.0	1103
12615	.0	•1	.3	1.4	12.5	85.7	1818	12615	•1	.7	7.5	31.2	61.3	1240
18621			.4	1.4	16.1	82.0	2018	18821	.1	1.1	9.2	30.7	60.2	1135
TOT	5	.7	16	114	1132	6322	7596 100.0	TOT	10	1.0	364 8.0	1344	2819 62.3	4527

TABLE 13

TABLE 14

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP												PERC	ENT FR	EQUENC	Y OF W	IND DI	RECTIO	N BY T	EMP	
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	90-89	90-100		FREQ	N	NE	E	SE	S	SW	W	NW	VAR	CALM
80/84	.0	.0		.0	.0	.0	•0	.0	1		.0	.0	.0	.0	.0	.0		.0	.0	.0
75/79	.0	.0		.1	.2	.4	.2		39	.9	.2	*	.1		.1	.2	.2	.1	.0	.0
70/74	.0		.1	.7	3.3	8.4	7.7	2.6	1017	22.8	3.1	4.7	2.7	1.5	2.6	3.1	2.1	2.5	.0	.5
65/69	.0	.0	.1	2.6	11.1	19.7	17.8		2590	58.1	10.9	17.5	5.5	3.5	3.8	4.2	4.7	6.6	.0	1.3
60/64	.0	.0	.1	1.1	5.2	4.6	3.9	2.4	771	17.3	4.6	5.4	.8	.6	.7	.8	1.7	2.4	.0	.4
55/59	.0	.0	.0		.1	.2	.3	.3	41	.9	.2	.1			.1	.1	.1	.2	.0	
TOTAL	0	1	13	204	890	1485	1329	537	4459	100.0										
PCT	.0		.3	4.6	20.0	33.3	29.8	12.0			19.0	27.6	9.1	5.7	7.3	8.4	8.8	11.8	.0	2.2

TABLE 15

TABLE 16

	HEANS!	EXIMENE	5 ANU	PERCEN	LILES	UF IER	IF (DE	C FI B	HUUK
HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL
00403	82	73	71	67	62	59	52	66.5	2065
12815	82	77	74	69	63	59	54	68.8	2145
18621	80	76 75	73	67	62	59	52	67.5	2761 9840

8 0

	PERC	EN! LKE	ANEWC !	UP KELA	ITAE H	ווזמזחנ	BT HUUF	
HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
00603	.0	4.2	18.9	29.6	32.7	14.6	78	1107
06609	.0	3.3	16.5	31.2	34.1	14.9	78	1191
12615	.0	7.7	25.0	36.2	22.7	8.4	74	1184
18621	.0	4.1	18.8	35.4	30.2	11.5	77	1140
TOT	0	223	915	1533	1381	570	77	4622

NOVEMBER

PERIOD: (PRIMARY) 1923-1973 (DVER-ALL) 1856-1973

3

TABLE 17

AREA 0003 CASABLANCA SW 31.7N 13.1W

0 3

PCT	FREQ	UF	AIR	TEMPERATURE (DE	G F)	AND	THE	DCCURRENCE	OF	FOG	TUDHTIM	PRECIPITATION)
				VS AIR-SE	A TE	MPER	ATUR	E DIFFERENC	E (DEG !	F)	

AIR-SEA THP DIF	49 52	53 56	57	61	65	69 72	73 76	77 80	81 84	TOT	FDG	FOG
14/16	.0	.0	.0	.0	.0					5 8	.0	.1
11/13	.0	.0	.0	.0	.0	. 1		.1	.0		.0	.1
9/10	.0	.0	.0	.0	.1	.1	.1	.1		19	.0	.4
7/8	.0	.0	.0	.0	:1	.1	.1	.1	.0	20	.0	.4
6	.0	.0	.0	.0	. 1	.1	.1	.1	.0	17	.0	.3
5	.0	.0	.0		.1	.4	.5	.1		59		1.2
4	.0	.0	.0	.1	.3	. 8	.5	.1	.0	84	.0	.4 .4 .3 1.2 1.7
3	.0	.0	.0		.5	.7	.6		.0	91	.0	1.8
2	.0	.0		.1	1.1	2.7	.9	.0	.0	236		4.7
1	.0	.0	.0	.4	2.2	4.5	.7	.0	.0	387	.1	7.8
0	.0	.0		.9	5.2	7.2	.4		.0	674		13.6
-1	.0	.0		1.2	8.3	6.8	.1	.0	.0	817		16.5
-2	.0		.1	1.7	10.4	3.8	.1	.0	.0	792	.1	16.0
-2 -3	.0		.1	2.6	7.4	1.7	.0	.0	.0	582	.1	11.7
-4	.0		.1	2.9	4.8	. 8		.0	.0	425	.1	8.6
-5	.0	.0	.1	2.9	2.7	.4		.0	.0	306		6.2
-6	.0		.2	1.8	1.1	.2	.0	.0	.0	159	.0	3.2
-7/-8	.0	.0	.5	1.5	.9	.2	.0	.0	.0	153	.0	3.1
-9/-10	.0	.1	.3	.7	.3	.0	.0	.0	.0	64	.0	1.3
-11/-13		.1	.2	.2		.0	.0	.0	.0	25	.0	.5
-14/-16		.2			.0	.0	.0	.0	.0	12	.0	.2
TOTAL	2		86		2241	.0	210	.0	.5	12	20	4915
1-145		20	60	832		1513	210	26	,	4935	20	4713
PCT		.4	1.7	16.9	45.4	30.7	4.3	.5	.1	100.0	.4	99.6

PERIOD: (OVER-ALL) 1963-1973

PCI	FKEG	OF	MIND	SPEED	(KTS)	AND	DIRECTION	VERSUS	SEA	HEIGHTS	(FT)

HGT	1-3	4-10	11-21	N 22-33	34-47	48+	PCT	1-3	4-10	11-21	NE 22-33	34-47	48+	PCT
<1	.5	1.1	.1	.0	.0	.0	1.7	.1	1.4	.1	.0	.0	.0	1.6
1-2	.2	3.8	1.3	.0	.0	.0	5.3	.2	4.7	2.7	.0	.0	.0	7.6
3-4	.1	1.6	3.5	.4	.0	.0	5.6		2.6	6.0	.3	.0	.0	9.0
5-6	.0	.5	3.6	.4		.0	4.5	.0	.8	4.8	.7	.0	.0	6.3
7	.0	.1	1.1	.7	•1	.0	1.9	.0		1.3	1.1		.0	2.5
8-9	.0		.1	.6		.0	.7	.0	.0	.3	.6	.1	.0	1.0
10-11	.0		.1	.2		.0	.3	.0	.0	.2	.4	.1	.0	.7
12	.0	.0	.0	.1		.0	.1	.0	.0	.0	.2	.0	.0	.2
13-16	.0	.0		.2	•1	.0	.4	.0	.0	.0	.1	.2	.0	.3
17-19	.0	.0		.1	.0	.0	.1	.0	.0	.0			.0	*
20-22	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	. 8	7.1	9.8	2.6	.3	.0	20.6	.4	9.6	15.5	3.3	.4	.0	29.1
HGT	1-3	4-10	11-21	E 22-33	34-47	48+	PCT	1-3	4-10	11-21	SE 22-33	34-47	48+	PCT
<1	.2	.7	.1	.0	.0	.0	.9	.1	.3		.0	.0	.0	.5
1-2	.3	2.4	.9	.0	.0	.0	3.6	.1	1.5	.3	.0	.0	.0	1.9
3-4		1.0	1.0		.0	.0	2.1	.0	.4	.7		.0	.0	1.1
5-6	.0	.3	.6	.2	.0	.0	1.0	.0	.1	.7	.3	.0	.0	1.1
7	.0	.0	.3		.0	.0	.3	.0	.0	.5	.2	.0	.0	.7
8-9	.0	.0	.1	.0	.0	.0	.1	.0		.1	.1	.0	.0	.2
10-11	.0	.0	.0		.0	.0		.0	.0	.0			.0	.1
12	.0	.0	.0	.0	.0	.0	.0	.0	.0		.1	.0	.0	.1
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0			.0	.0	.1
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.5	4.3	2.9	.3	.0	.0	8.0	.2	2.3	2.3	.8		.0	5.6

0.0		/over		1963-19	-2					NOVE	MBER								
-	KIUU.	LUVEN	-ALL!	1403-14	13				TABLE	18	(CONT)				AKEA			13.1V	
					PC	FREQ OF	WIND	SPEED	(KTS)	AND	DIREC	TIUN	VERSUS	SEA HEIGH	HTS (FT	,			
но	T	1-3	4-10	11-21	22-33	34-47	48+	PCT			1-3	4-10	11-21	22-33	34-47	48+	1	PCT	

				s							SW				
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	.4	.3	.0	.0	.0	.0	.7	.2	.5	.0	.0	.0	.0	.7	
1-2	.1	1.6	.6	.0	.0	.0	2.3	.2	1.9	.7	.0	.0	.0	2.8	
3-4	.0	.5	1.3	.0	.0	.0	1.9	.0	. 8	.9		.0	.0	1.7	
5-6	.0	.1	.7	.1	.0	.0	.9	.0	.2	.9	.1	.0	.0	1.2	
7	.0	.0	.3	1	.0	.0	.4	.0	.0	.3	.1	.0	.0	.4	
8-9	.0	.1	.1	.0	.0	.0	.2	.0	.0	.1	.1	.0	.0	.2	
10-11	.0	.0			.0	.0	.1	.0	.0		.1	.0	.0	.1	
12	.0	.0	.0	.1	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0		
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	•0	.0	.0	
61-70 71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	.0		.0	.0	.0		.0	.0	.0	.0		.0	.0		
87+ TOT PCT	.0	2.7	3.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
Tul PCI		2.1	3.1	.,	•0	.0	6.6	.4	3.4	2.9	.4	.0	.0	7.2	
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.3	.3	.0	.0	.0	.0	.7	.2	.3	.1	.0	.0	.0	.6	
1-2	.2	2.6	.5	.0	.0	.0	3.3	.1	2.5	.5	.0	.0	.0	3.1	
3-4	.0	.5	1.1	.1	.0	.0	1,6	.0	1.1	1.8		.0	.0	3.0	
5-6	.0	.1	.9	.3	.0	.0	1.3	.0	.3	1.4	.3		.0	2.0	
7	.0	.0	.4	.3	.0	.0	.7	.0	.1	.7	.6		.0	1.3	
8-9	.0		.2	.3	.0	.0	.6	.0	.0	.3	.6		.0	.9	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.0	.0	.2	
12	.0	.0	.0	.1	.0	.0	.1	.0	.0	.0		.0	.0		
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0		.1	.0	.0	.2	
17-19	.0	.0	.0	.0	•0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.5	3.6	3.0	1.2	.0	.0	8.3	.3	4.5	4.7	1.7	.1	.0	11.3	96.7

	MIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)			
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT	
<1	6.3	5.2	.3	.0	.0	.0	11.8	003	
1-2	1.7	20.9	7.2	.0	.0	.0	29.9		
3-4	.3	8.3	15.9	.9	.0	.0	25.4		
5-6		2.4	13.1	2.4	.1	.0	17.9		
7	•0	. 2	4.8	3.0	.1	.0	8.1		
8-9	•0	.2	1.3	2.1	.2	.0	3.8		
10-11	•0	.1	.4	. 8	.1	.0	1.4		
12	• 0	.0		.5		.0	.6		
13-16	•0	.0	.1	.5	.3	.0	.9		
17-19	.0	.0		.1		.0	.1		
20-22	• 0	.0	.0	.0	.0	.0	.0		
23-25	.0	.0	.0	.0	.0	.0	.0		
26-32	•0	.0	.0	.0	.0	.0	.0		
33-40	•0	.0	.0	.0	.0	.0	.0		
41-48	• 0	.0	.0	.0	.0	.0	.0		
49-60	•0	.0	.0	.0	.0	.0	.0		
61-70	.0	.0	.0	.0	.0	.0	.0		
71-86	•0	.0	.0	.0	.0	.0	.0		
87+	•0	.0	.0	.0	.0	.0	.0		
								2864	
TOT PCT	8.3	37.3	43.2	10.3	.9	.0	100.0		

PER	100: (0	VER-ALI) 194	9-1973	•				TABLE	19											
					PERCENT	FRE	QUENCY	OF WA	VE HEI	GHT (F	T) ys	WAVE P	ERIOD	(SECON	DS)						
PERIO (SEC)		1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN
(SEC)	1.3	7.9	8.7	4.9	2.0	.7	.2	• 2				.0	.0	.0	.0	.0	.0	.0	.0	935	4
6-7	.0	1.1	4.9	6.1	4.4	2.4	1.6	.7	.4	.2	.1		.0	.0	.0	.0	.0	.0	.0	783	6
8-9		.4	1.2	3.5	3.8	2.8	2.6	.9	.7	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	576	8
10-1	1 .0	.9	.6	1.3	1.4	1.4	1.5	.6	1.0	.1	.1	.0		.0	.0	.0	.0	.0	.0	324 151	8
12-1	3 .0	.0	. 8	.6	.6	. 8	.6	.3	.4	.2	.0	.0	.0		.0	.0	.0	.0	.0	151	8
>13	.0	.0	.0	.3	.3	.4	.4	.1	.2	.1		.0	.0	.0	.0	.0	.0	.0	.0	63	9
INDE	T 2.7	3.9	3.5	3.2	3.1	379	1.3	.4	.7	.1	.0	.0		.0	.0	.0	.0	.0	.0	754	5
TOTA	L 144	511	707	714	3.1 558	379	295	110	121	34	11	1	1	0	0	0	0	0	0	3586	6
PCT		14.2	19.7	19.9	15.6	10.6	8.2	3.1	3.4	.9	.3			.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1923-1973 (OVER-ALL) 1856-1973

TABLE 1

AREA 0003 CASABLANCA SW 31.7N 13.1W

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

				RECIPI	DITAT	N TYPE					DTHER	WEATHER	PHEND	MENA	
WNO DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SHOKE	SPRAY BLWG DUST BLWG SNOW	
N NE	1.1	3.0	:8	:0	:0	.0	:	4:6	4.9	:8	:3	.0	:1	-1	89.4
E SE	1.8	1.2	.8	.0	.0	•0	.0	3.8	1:7	1.3	.3	.0	1.7	.0	93.8
S	3.1	1.7	.5	.0	.0	•0	.0	5.4	1.9	2.0	1.1	.0	.7	.0	90.1
W	2.7	7.3	1.7	.0	.0	.0	.0	11.9	5.8	1.6	1.2	.0	.5	.0	80.3
VAR	2.6	.0	.0	.0	.0	•0	.0	9.5	.0	2.4	1.0	.0	.0	.0	81.8
CALM	.0	1.1	.0	.0	.0		.0	1.1	.0	.0	.0	.0	1.1		97.8
TOT PCT	5465	2.7	.8	.0	.0	.0	.1	5.0	3.3	.9	.5	•	.2	•	90.2

TABLE 2

DEOCEN-	CREAMENCY	ne	WELTHER	OCCUPBENCE	20	HOUR

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	
00603 06609 12615 18621	1.5 1.7 1.3 1.5	2.8 3.3 2.2 2.5	1.2 .5 .7	.0	.0	•0	.0 .1 .1	4.8 6.3 4.1 4.7	2.8 2.7 4.0 3.4	2.0 1.2 .0	.6 .7 .2 .3	.0 .0 .0	.3	.0 .1 .0	89.8 89.1 91.4 91.1
TOT PCT	1.5	2.7	.8	.0	.0	•0	.1	5.0	3.2	.9	.4		• 2		90.4

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WND DIR	0-3			ED (KNI 22-33		48+	TOTAL OBS	PCT	MEAN SPD	00	03	06	HOUR 09	(GMT)	15	18	21	
N NE	1.1	7.6	9.5	2.5	:\$:		21.1	13.3	22.4	30.1	21.3	17.3	20.7	25.2	22.3	18.4	
E	.9	6.0	4.0	.5		.0		11.4	10.3	10.2	10.7	11.2	13.5	12.2	7.0	10.2	14.0	
SE	.4	2.4	1.2	.1		.0		4.1	10.0	4.1	1.9	3.5	5.3	4.2	1.6	4.2	4.7	
S	.5	2.2	1.3	.4	.1			4.4	11.2	4.2	.6	3.9	5.2	4.8	.4	4.2	5.7	
SW	.5	2.6	2.1	.6	.1			5.9	12.3	5.4	1.1	5.8	7.3	6.1	3.5	5.8	6.9	
W	.5	2.6	2.5	.8	.2			6.6	13.3	6.7	7.9	6.7	7.1	6.3	6.0	6.5	7.2	
NW	.5	4.1	3.5	1.2	.2	.1		9.6	13.3	10.6	9.2	8.8	9.4	9.1	12.8	9.6	10.3	
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	2.1							2.1	.0	2.4	.9	2.4	2.2	1.7	.0	2.0	2.7	
TOT DBS	782	4177	4182	974	141	13	10269		12.3	1978	117	2071	914	2157	129	2014	889	
TOT PCT	7.6	40.7	40.7	9.5	1.4	-1		100.0		100.0	100-0	100.0	100.0	100.0	100.0	100-0	100-0	

T	Δ	B	L	F	,	A	

WND DIR	0-6	7-16	SPEED 17-27		41+	TOTAL OBS	PCT	MEAN SPD	00	HDUR 06 09	12 15	18 21
N NE	3.7	11.3	5.0	1.0	:		21.1	13.3	22.8	20.1	21.0	21.1
	3.3	6.5	1.5	.2	.0		11.4	10.3	10.3	11.9	11.9	11.4
E SE	1.4	2.1	.5	.1			4.1	10.0	4.0	4.1	4.0	4.4
S	1.6	1.7	.9	.2			4.4	11.2	4.0	4.3	4.5	4.7
SW	1.6	2.8	1.2	.3	.1		5.9	12.3	5.1	6.3	5.9	6.1
W	1.5	3.2	1.6	.4	.1		6.6	13.3	6.8	6.8	6.2	6.7
NM	2.0	4.8	2.2	.5	.1		9.6	13.3	10.5	9.0	9.3	9.8
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	0	.0
CALM	2.1						2.1		2.3	2.3	1.6	2.2
TOT OBS	2326	5359	2159	391	34	10269		12.3	2095	2985	2286	2903

PERIOD: (PRIMARY) 1923-1973 (OVER-ALL) 1856-1973

TABLE 4

AREA 0003 CASABLANCA SW 31.7N 13.1W

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10		SPEED (KNOTS 1 34-47	48+	MEAN	PCT	TOTAL
60300	2.3	6.0	41.1	39.1	9.5	1.8	.2	12.3	100.0	2095
90300	2.3	5.7	41.7	40.2	8.9	1.1			100.0	2985
12615	1.6	5.2	39.2	42.7	9.5	1.5	.2	12.6	100.0	2286
18621	2.2	5.1	40.4	40.8	10.1	1.2	.1	12.4	100.0	2903
TOT	219	563	4177	4182	974	141	13	12.3		10269
PCT	2.1	4.4	40 7	40.7	9.4	1 4	1		100.0	

TABLE 5

	PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION HEAN								PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCUPRENCE OF NH <5/8 BY WIND DIRECTION											
WND	DIR	0-2	3-4	5-7	8 & 085CD	TOTAL	CLOUD	000 149	150 299	300 599	999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT		
N		4.6	6.2	10.8	4.3		4.9	.1	.0	.2	1.7	5.3	3.9	1.1	.3		.1	13.3		
N	E	10.2	7.5	14.3	8.0		4.6		.0	.2	2.5	7.7	5.7	2.0	.5	.2	• 2	21.0		
8		3.4	1.4	2.7	1.2		3.9		.0		.5	.7	1.0	.5	.2		• 1	5.7		
S	E	.9	.4	.9	.5		4.3	.0	.0	.0	.1	.4	.3	.1	.1		.1	1.8		
S		.7	.4	1.3	.6		5.0	.0	.0		.1	.5	.3	.2	.1	.1		1.7		
S	W	.7	.7	1.6	.6		5.0	.0			.2	.5	.6	.2	.1	.0	.0	2.1		
*		.9	1.3	2.3	1.2		5.0		.1	.2	.4	1.1	.5	.2	.1	.0		3.1		
N	W	1.4	2.4	3.1	1.3		4.8			.1	.4	1.2	1.1	.4		.1	.1	4.8		
VA	R	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
CAL		.9	.3	.5	.2		3.1	.0	.0		.1	.1	.2	.1	.0	.0	.0	1.3		
TOT	085	1103	950	1726	827	4606	4.6	10	4	37	272	810	624	223	54	18	30	2524	4606	
TOT	PCT	23.9	20.6	37.5	18.0	100.0		.2	.1	.8	5.9	17.6	13.5	4.8	1.2	.4	.7	54.8	100.0	

CILMIL ATAME	D.T EDEC	-E		CIIDACHCE
COMOLATIVE	PC I FREE	U	SIMULTANFOUS	UCCORRENCE
DE CETLT	NO HETCHT	(NI	V DUA (B) AND V	CRY (NM)

				VSBY (NH)			
CEILING	= DR	- OR	- OR	. DR	- DR	• OR	- OR	- OR
(FEET)	>10	>5	>5	>1	>1/2	>1/4	>50YD	>0
- DR >6500	1.0	1.0	1.1	1.1	1.1	1.1	1.1	1.1
■ DR >5000	2.1	2.3	2.3	2.3	2.3	2.3	2.3	2.3
■ DR >3500	6.4	7.1	7.1	7.1	7.1	7.1	7.1	7.1
■ DR >2000	18.7	20.3	20.6	20.6	20.6	20.6	20.6	20.6
■ OR >1000	34.2	37.6	37.9	38.0	38.0	38.0	38.0	38.0
■ DR >600	39.3	43.4	43.8	43.9	43.9	43.9	43.9	43.9
■ DR >300	39.9	44.2	44.6	44.7	44.7	44.7	44.7	44.7
■ OR >150	39.9	44.3	44.7	44.8	44.8	44.8	44.8	44.8
- DR > 0	40.0	44.4	44.9	44.9	45.0	45.0	45.0	45.0

TOTAL NUMBER OF OBS: 4679 PCT FREQ NH 45/8: 55.0

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

10.9 9.2 11.2 12.1 11.1 8.7 11.0 10.8 14.9 .1 4973

PERIOD:	(PRIMARY)	1923-1973
	(UVER-ALL)	1656-1973

0 0

TABLE 8

AREA 0003 CASABLANCA SW 31.7N 13.1W

		P	ERCENT		OF WIND								E OF
VSBY		N	NE		SE	\$	SW		NW	VAR	CALM	PCT	TOTAL
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	NO PCP	.0			.0.	.0	.0	.0	.0	.0	.0		
	TOT \$.0			.0	.0	.0	.0	.0	.0	.0		
	PCP			.0	.0	.0	.0	.1		.0	.0	.1	
1/2<1				.0			.0	.1		.0	.0	.2	
	TOT \$				•		.0	.2	.1	.0	.0	.3	
	PCP		.0	.0	.0	.0		.0	.0	.0	.0		
1<2	NO PCP			.0	.0	.0	.0	.0		.0	.0		
	TOT %			.0	.0	.0		.0		.0	.0	.1	
	PCP				.0	.0			.1	.0	.0	.2	
2<5	NO PCP	.2	.2	.1			.1		.1	.0	.0	. 8	
	TOT \$	•2	.2	.1			.1	.1	.2	.0	.0	1.0	
	PCP	.3	.4	.1	.1	.2	.2	.4	.3	.0	.0	2.0	
<10	NO PCP	2.5	3.2	.9	.5	.6	. 8	.7	1.2	.0	.3	10.7	
	TOT %	2.9	3.6	1.1	.6	.8	1.0	1.1	1.5	.0	.3	12.7	
	PCP	.8	. 8	7:7	.1		.1	.2	.4	.0		2.7	
10+	NO PCP	21.7	34.1	7.7	2.3	2.6	2.8	4.4	6.2	.0	1.4	83.2	
	TOT %	22.5	34.9	7.9	2.4	2.6	2.9	4.7	6.6	•0	1 - 4	85.9	
	TOT 085												5454
	TOT PCT	25.7	38.8	9.2	3.0	3.4	4.0	5.9	8.4	.0	1.7	100.0	

		PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY														
VSBY (NH)	SPD	N	NE	E	SE	s	SW	W	NW	VAR	CALM	PCT	TOTAL			
	0-3	.0	.0	.0	.0	.0		.0	.0	.0	.0					
<1/2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0				
	11-21	.0			.0	.0	.0	.0	.0	.0		*				
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0				
	107 %	.0			.0	.0		.0	.0	.0	.0	.1				
	0-3	.0	.0	.0			.0	.0	.0	.0	.0					
1/2<1	4-10		.0	.0	.0	.0	.0			.0						
	11-21			*	.0	.0	.0	.1		.0		.1				
	22+	.0	.0	.0	.0	.0	.0	*		.0		.1				
	TOT %						.0	.1		.0	.0	.2				
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0				
1<5	4-10	*		.0	.0		*	.0	.0	.0		.1				
	11-21	*	.0	*	.0	.0	.0	.0		.0		*				
	22+	:	:	.0	.0			.0	.0	.0		.1				
	TOT %				.0		*	.0		.0	.0	.2				
	0-3	.0	.0	.0	.0	.0	.0		.0	.0						
2<5	4-10	.1	.1			.0		*	.1	.0		.3				
	11-21	.1	.1	.1			.1		.1	.0		.5				
	22+					.1	.1	*	.1	.0		.3				
	TOT *	.2	.2	.1	*	.1	.2	.1	.2	.0	*	1.2				
	0-3	.1	.1	.1		.1	.1	.1		.0	.2	.8				
5<10	4-10	.9	1.1	.4	.2	.3	.4	.3	.6	.0		4.4				
	11-21	1.0	1.6	.4	.2	.2	.3	.3	.5	.0		4.6				
	22+	.4	.3		*	•1	. 2	.4	.3	.0		1.8				
	TOT \$	2.4	3.2	.9	.5	.7	1.1	1.1	1.3	.0	.2	11.5				
	0-3	.8	12.4	.7	.3	1.8	1:7	2:3	3:3	.0	1.6	5.6				
10+	4-10	7.1	12.4	4.6	1.8	1.8	1.7	2.3	3.3	.0		35.0				
	11-21	9.7	16.1	3.3	.9	.9	1.6	2.2	2.9	.0		37.6				
	22+	2.7	3,5	3		2	4	5	1.0	.0		8.8				
	TOT %	20.4	32.9	8.9	3.0	3.2	4.1	5.2	7.6	.0	1.6	86.9				
	TOT OBS			-									7687			
1	TOT PCT	23.2	36.5	9.9	3.5	4.0	5.3	6.6	9.1	.0	1.9	100.0				

PERIOD: (PRIMARY) 1923-1973 (OVER-ALL) 1856-1973

TABLE 10

AREA 0003 CASABLANCA SH 31.7N 13.1W

PERCENT FREQUENCY OF CEILING HFIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

						7							
HOUR (GMT)	000	150	300 599	600	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL
00603	.5	.1	.0	5.7	15.0	11.5	3.9	,9	.6	.5	39.5	60.5	1110
90360	.3	.1	.7	5.4	18.0	12.6	4.6	1.6	.4	1.0	44.7	55.3	1204
12615	.1	.1	.8	5.8	16.9	12.6	5.2	1.2	.3	.6	43.6	56.4	1316
18621	.0	.1	.8	6.1	17.7	15.7	5.3	1.1	.2	.5	47.5	52.5	1196
TOT	10	.1	38	277	819	634	229	58 1.2	18	32	2119	2707 56.1	4626

TABLE 11

TABLE 12

		PERCENT	FREQUEN	CY VSBY	(NM)	BY HOUR		CUMULAT	CEILIN	FREQ G HGT	OF RAN	GES OF NH >4/8) BY HOUR	AND/DR
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL
00603	.1	.3	.2	1.2	12.3	86.0	1710	00603	.5	1.4	8.0	32.9	59.1	1073
06609	.1	.3	.2	1.4	12.9	85.0	2150	90360	.3	1.2	7.5	39.2	53.3	1156
12615	.0	.2	.1	.9	8.7	90.2	1866	12615	•1	1.1	7.6	37.0	55.4	1293
18621		.1	.1	1.1	12.4	86.2	2084	18821	•0	1.1	8.2	41.0	50.8	1157
TOT	.1	18	12	91	907	6778	7810 100.0	TOT PCT	10	56	366 7.8	1759 37.6	2554 54.6	4679

TABLE 13

TABLE 14

						-														
	PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP										PERCENT FREQUENCY OF WIND DIRECTION BY TEMP									
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	DBS	FREQ	N	NE	E	SE	s	SW	W	NW	VAR	CALM
75/79	.0	.0	.0	.0	.1	.0	.0	.0	3	.1		.0	.0		.0	.0	.0		.0	.0
70/74	.0	.0	.0	.1	.7	:07	.4	:0	98	2.2	.4	.7	.1	.2	.2		• 1	• •	.0	•
65/69			-1	1.6	7.7	11.1	6.7	3.2	1379	30.4	5.8	11.6	3.5	1.3	1.6	2.1	1.8	2.0	.0	.6
60/64	.0	.0	. 3	4.6					2736	60.3	16.8	25.8	5.3	1.4	1.3	1.1	3.2	4.7	.0	.7
55/59	.0		. 2	7	1.5				314	6.9	2.8	1.8	.5	.1	.1	.2	.5	.9	.0	.1
50/54	.0		.0	.0	**	.1			9	.2	.1			.0		*	.0		.0	.0
TOTAL	1	1	30	320	1230	1549	973	435	4539	100.0										
PCT			.7	7.1	27.1	34.1	21.4	9.6			25.9	39.9	9.4	3.0	3.2	3.7	5.6	7.8	.0	1.5

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR	MAX	998	95%	50%	5%	18	MIN	MEAN	TOTAL
(GMT)			-						OB5
60300	73	69	67	63	59	55	45	63.0	2117
90300	73	68	67	63	58	55	46	62.9	2998
12615	79	73	70	65	60	57	50	65.2	2261
18621	77	72	69	64	59	56	46	64.0	2897
TOT	79	71	69	64	59	55	45	63.7	10273

	PERC	ENT FRE	QUENCY	OF RELA	TIVE H	MIDITY	BY HOUR	
HOUR	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
(GMT)	.0	6.9	23.9	36.2	22.4	10.6	75	1113
90300	.0	6.8	24.4	34.6	23.1	11.1	75	1201
12615	• 1	10.6	31.4	33.1	17.1	7.8	72	1194
18821	.0	6.3	27.9	33.0	23.8	9.0	75	1133
TOT	1	356	1250	1587	1001	446	14	4041

PERIOD: (PRIMARY) 1923-1973 (OVER-ALL) 1856-1973

-1973 -1973						TAB	E 17				ARE	A 0003 CAS	SABLANCA SW
PCT FREQ OF	AIR	TEMP	VS.	RF (DI	G F)	AND	THE D	CURRE	RENCE (FOG (WI	THOUT	PRECIPITAT	TION)
AIR-SEA TMP DIF	45	49 52	53 56	57	61	65	69 72	73 76	77 80	тот	FOG	WO FOG	
11/13	.0	.0	.0	.0	.0				.1	7	.0	.1	

11/13	.0	.0	.0	.0	.0				.1	7	.0	.1	
9/10	.0	.0	.0	.0			.1	.1		13	.0	.3	
7/8	.0	.0	.0	.0	.1	.1	.1	.0		17	.0	.3	
6	.0	.0	.0	.0	.0	.1		.1	.0	10	.0	.3	
5	.0	.0	.0		.2	.2	.4	.1	.0	46	.0	.9	
4	.0	.0	.0		.2	.7	.4	.0	.0	68		1.3	
3	.0	.0	.0	.0	.3	.7	.4	.0	.0	66	:	1.3	
2	.0	.0		.1	.6	1.6	.7		.0	157		3.1	
1	.0	.0	.0	.2	1.1	2.8	.6		.0	231		4.6	
0	.0	.0		.4	4.4	5.5	.5	:	.0	548	.1	10.8	
-1	.0	.0	.0	.4	7.6	6.2	.2	.0	.0	728	.1	14.4	
-2	.0	.0		.9	11.3	4.8	.1	.0	.0	860	.1	17.1	
-3	.0	.0		1.3	10.8	2.9	.1	.0	.0	754	.1	15.0	
-4	.0	.0	.1	1.4	8.0	1.4		.0	.0	549		10.9	
-4	.0	.0	.1	2.5	5.2	. 8		.0	.0	432	.0	8.6	
-6	.0	.0	.1	1.6	2.0	.2	.0	.0	.0	200	.0	4.0	
-7/-8	.0		.3	1.9	1.7	.3	.0	.0	.0	210	.0	4.2	
-9/-10	.0	.0	.3	.9	.2		.0	.0	.0	65	.0	1.3	
-11/-13	.0	.1	.2	3	.1	.0	.0	.0	.0	33	.0	. 7	
-14/-16	.0	.1	.1	.1	.0	.0	.0	.0	.0	14	.0	.7	
-17/-19	.1	.0	.0	.0	.0	.0	.0	.0	.0	3	.0	. 1	
-20/-22		.0	.0	.0	.0	.0	.0	.0	.0	2	.0		
TOTAL	5		60	• •	2702		188		5	-	24	4989	
		9	-	604		1423		17		5013	-		
DCT	1	9	1 2			28 4	2 0	• •	1	100.0		99 6	

PERIOD: (OVER-ALL) 1963-1973

				PC	T FREQ	OF WIND	SPEED	(KTS)	AND DIRE	CTION V	ERSUS S	EA HEIG	HTS (FT)		
				N								NE			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.4	.9		.0	.0	.0	1.4		.3	1.8	3.3	.0	.0	.0	2.3
1-2	.1	5.1	1.9	.0	.0	.0	7.1		.3	8.9		.0	.0	.0	12.4
3-4	.0	2.2	4.4	.3	.0	.0	6.9		.0	3.5	7.1	.7	.0	.0	11.3
5-6	.1	.5	4.3	1.2	.1	.0	6.2		.0	1.2	5.9	1.1		.0	8.2
8-9	.0	•1	1.9	1.3	-1	.0	3.3		.0	•1	2.3	1.0	.1	.0	3.5
10-11	.0	.2	.2	.2	.1	.0	1.7		.1	.1	.6	:7	•2	.0	1.8
12	.0	.0		.2	:1	:0	.5		.0	:0	.0	.3	.1	.0	.5
13-16	.0	.0	.1	.3	.1	.0	:5		.0	.0	.1	.2	:1		:4
17-19	.0	.0	.0	.1	.0	.0	.1		.0	.0	.0			.0	.1
20-22	.0	.0	.0	.0		.0			.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0		.0				.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
TOT PCT	.6	9.0	13.3	4.3	.7	.0	28.0		.7	15.6	19.7	4.4	.6	*	40.9
				E								SE			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.5	. 8		.0	.0	.0	1.3		.1	.3		.0	.0	.0	.4
1-2	.1	2.3	.7	.0	.0	.0	3.2		.1	.9	.2	.0	.0	.0	1.2
3-4	.0	1.0	1.1		.0	.0	2.2		.0	.2	.3	.0	.0	.0	.5
5-6	.0	.3	.6			.0	1.0		.0	.1	.1	.0	.0	.0	.2
7	.0	.1	.2		.0	.0	.3		.0				.0	.0	.1
8-9	.0			.1	.0	.0	.1		.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.1	.0	.0	.1		.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0		.0	•0	.0	.0	•0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0		.0		.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	:0	.0	.0	:0	:0		.0	.0	.0	.0	.0	.0	:0
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0		:0		.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	:0		.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0		:0		.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
TOT PCT	.6	4.5	2.7	.2		.0	8.1		.2	1.4	.7			.0	2.3

PERIOD:	/OVE		1963-1	0-2				DE	EMBER				4054	0000	CASABLA	uc 4 eu
PERIOU.	LUVE		1403-1	14/3				TABLE 1	(CUNT)				AKEA	31.		.14
				PC	T FREQ	F WIND	SPEED	(KTS) A	D DIREC	TION	VERSUS	SEA HEIG	HTS (FT			
HGT	1-3	4-10	11-21	5 22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	.2	.6		.0	.0	.0	.9		.1	.1		.0	.0	.0	.3	
1-2	.1	. 8	.1	.0	.0	.0	1.0		.1	.7	.2		.0	.0	1.0	
3-4	.0	.3	.3	.0	.0	.0	.6		.0	.2			.0	.0	.6	
5-6	.0		.1		.0	.0	.1		.0	.0	.1		.0	.0	.1	
7	.0	.0	.0	.0	.0	.0	.0		.0	.1	.1		.0	.0	.2	
8-9	.0	.0		.0	.0	.0			.0	.0				.0	.1	
10-11	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0		.1	.0	.1	
12	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0			.0	.1	
13-16	.0	.0	.0	.0		.0			.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0		.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0		.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.3	1.7	.5	•	•	.0	2,6		•2	1.2	.8	.3	.1	.0	2.6	
				w								NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.1	.3	.1	.0	.0	.0	.5		.3	.4		.0	.0	.0	.7	
1-2	.1	1.0	.4	.0	.0	.0	1.5			1.9	.5	.0	.0	.0	2.4	
3-4		.7	.7		.0	.0	1.5		.0	.6			.0	.0	1.8	
5-6	.0		.4	.2	.0	.0	.6			.3	1.0		.0	.0	1.5	
7	.0	.0	.2	.2	.0	.0	.4		.0	.0	.4		.0	.0	.5	
8-9	.0	.0	.1	.1		.0	.2		.0	.1			.1	.0	.5	
10-11	.0	.0	.1	.2	.0		.3		.0			.1		.0	.2	
12	.0	.0	.1	.1		.0	.2		.0	.0				.0	.1	
13-16	.0	.0	.0	.0	.1	.0	.1		.0	.0			.1	.0	.2	
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0				.0	.1	
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0				.0		
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0		
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0	.0	
33-40	.0	.0	.0	.0	•0	.0	.0		.0	.0			•0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	5.2		.0	3.3			.0	.0	8.0	97.7
TOT PCT	.2	2.1	2.0	.7	.1								.3			

	MIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	5.2	5.3	.4	.0	.0	.0	10.8	003
1-2	1.1	21.3	7.1	.0	.0	.0	29.5	
3-4	•1	8.6	15.3	1.1	.0	.0	25.1	
5-6	•1	2.4	12.5	2.7		.0	17.8	
7	•0	.4	5.0			.0	8.2	
8-9	•1	.4	1.5	1.8		.0	4.3	
10-11	.0	.1	.3	1.1	.2		1.7	
12	.0	.0	.1	.7	.3	.0	1.1	
13-16	•0	.0	.2	.5	.4		1.2	
17-19	.0	.0	.0	.1	.1	.0	.2	
20-22	•0	.0	.0	.0	.1	.0	.1	
23-25	.0	.0	.0		.0	.0		
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	•0	.0	.0	.0	.0	.0	.0	
41-48	•0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	•0	.0	.0	.0		.0	.0	
71-86	•0	.0	.0			.0	.0	
87+	.0	.0	.0	.0		.0	.0	
								2950
TOT PCT	6.5	38.3	42.4	10.8	1.9	-1	100-0	

PERIO	D: (DV	ER-ALL) 194	9-197	3				TABLE	19											
					PERCENT	FRE	QUENCY	OF W	AVE HEI	GHT (F	T) VS	WAVE P	ERIOD	(SECON	DS)						
PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	1	2 13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	HEAN
<6	1.5	8.1	8.1	5.2	2.3	1.0	.4		1 .2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	984	4
6-7		1.1	4.9	6.9	5.5	2.7	1.3		5 .5	.3		.0	.0		.0	.0		.0	.0	868	6
8-9		.4	2.2	3.1	3.7	1.9	1.7		9 1.0	.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	564	7
10-11	.0	.4	1.1	.8	1.6	1.4	1.1		7 .7	.4	.1	.1	.1		.0	.0		.0	.0	312	
12-13	.0	.0	.8	.7	.6	.5	.5		4 .5		.2	.0	.0	.0	.0	.0	.0	.0	.0	154	8
>13	.0	.0	.0	.4	.2	.2	.4			.1	.1	.0	.0	.0	.0	.0		.0	.0	62	9
INDET	3.1	3.4	4.1	3.1	2.5	1.6	.6			.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	718	5
TOTAL	171	491	774	738		345	220	10		48	22	6	7	0	0	0	0	0	0	3662	6
PCT	4.7	13.4	21.1	20.2		9.4	6.0	2.		1.3	.6	.2	.2	.0	.0	.0	.0	.0	.0	100.0	

0 0

A	-			

PERIOD: (PRIMARY) 1923-1973 (OVER-ALL) 1854-1973

0

TABLE 1

AREA 0003 CASABLANCA SW 31.7N 13.1W

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

			P	RECIPI	TATIO	N TYPE					DTHER	WEATHER	PHENO	MENA	
WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HATL	PCPN AT	PCPN PAST	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE		
N NE	.6	1.3	.5	.0	.0	.0		2.4	1.7	.4	1.1		1.1		93.3
NE	.4	.7	.3	.0	.0	.0		1.4	.9	.3	1.1		1.1		95.1
E	.8	.8	.5	.0	.0	.0	.0	2.2	1.4	.9	2.1	.3	1.5		91.8
SE	3.2	1.5	.9	.0	.0	.0	-1	5.6	2.5	1.5	3.4	.2	2.6	.1	84.2
S	3.0	2.3	.7	.0	.0	.0		6.0	2.4	2.1	1.4	.0	.7		87.9
SW	1.7	2.0	.9	.0	.0	.0	.0	5.2	3.2	1.2	1.2	.0	1.0		88.3
	1.6	2.5	.9	.0	.0	.0		5.0	3.4	1.1	1.2	.0	.9		88.6
NW	1.1	2.2	.6	.0	.0	.0		3.9	2.8	.7	1.3	.1	1.2		90.1
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.5	.5	.2	.0	.0	.0		1.3	.6	.6	3.6	.1	2.5	.0	91.3
CHEN	.,	.,		.0	.0	.0	.1	1.3	.0		2.0		2.,		
TOT PCT	63241	1.3	.5	.0	.0	.0		2.7	1.8	.7	1.2	•	1.2	•	92.3

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			P	RECIPI	TATIO	Y TYPE					OTHER	WEATHER	PHEND	MENA		
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HATL	PCPN AT OB TIME	PCPN PAST HOUR	THDR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPR BLWG BLWG	DUST	NO SIG WEA
00603 06609 12615 18621	1.0 1.1 .8	1.2 1.7 1.1 1.2	.6 .8 .4	.0	.0	•0	:	2.8 3.6 2.3 2.4	1.7 1.9 1.9 1.7	1.5 1.1 .1 .3	1.1 1.4 1.1 1.3	:	1.0		.1	91.9 91.1 93.2 92.9
TOT PCT	64983	1.3	.6	.0	.0	•0		2.8	1.8	.7	1.2		1.2			92.3

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		WI	ND SPE	ED (KN	OTS)								HOUR	(GHT)				
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	FREQ	SPD	00	03	06	09	12	15	18	21	
N NE	1.2	13.1	15.2		:1	:		32.1	12.4	32.5					35.0	33.7	30.9	
E	.4	2.8	1.8	.2				5.2	9.9	5.0	5.6	5.2	6.2	5.4	4.7	4.7	5.6	
SE	.3	1.4	.8	.1				2.7	8.7	2.6	2.8	2.6	2.7	2.9	2.3	2.5	2.6	
S	.4	1.6	1.2	.3				3.5	9.9	3.6	3.5	3.5	3.1	3.9	3.5	3.6	2.9	
SW	.5	2.7	2.2	.6	.1			6.0	10.6	5.7	5.0	6.0	5.5	6.5	5.8	6.2	5.6	
W	.6	3.6	2.2	.6	.1			7.1	10.2	7.1	7.5	7.0	7.1	6.8	9.6	7.2	7.7	
NW	.7	5.6	3.1	.8	.1			10.3	10.6	10.1	11.1	10.1	10.5	9.5	10.3	10.6	11.5	
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	2.1							2.1	.0	2.5	2.0	2.5	1.6	1.9	1.4	1.7	1.9	
TOT OBS							118499		11.9	22992	1488	23194	10778	24458	1635	23493	10461	
TOT PCT	7.1	41.9	42.3	8.1	.6			100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TABLE 3A

WND DIR	0-6		SPEED 17-27	(KNDTS) 28-40	41+	TOTAL	PCT	MEAN SPD	00	HDU1	12 15	18
						00		•				
N NE	5.5	18.6	7:3	:7	:		32.1	12.4	32.7	31.4	31.7	32.8
	1.6	2.9	.7	.1			5.2	9.9	5.0	5.5	5.3	5.0
SE	.9	1.3	.4				2.7	8.7	2.7	2.6	2.8	2.5
5	1.1	1.7	.6	.1			3.5	9.9	3.6	3.3	3.9	3.4
SW	1.6	2.9	1.2	.2			6.0	10.6	5.6	5.8	6.5	6.0
	2.2	3.5	1.2	.3			7.1	10.2	7.1	7.0	6.9	7.4
NW	3.1	5.4	1.5	.3			10.3	10.6	10.2	10.2	9.6	10.9
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	2.1						2.1	.0	2.5	2.2	1.9	1.8
TOT OBS						118499		11.9	24480	33972	26093	33954
TOT PCT	22 5	89.8	21 2	2.4	- 1	-	100-0		100.0	100.0	100.0	100.0

PERIOD: (PRIMARY) 1923-1973 (OVER-ALL) 1854-1973

TABLE 4

AREA 0003 CASABLANCA SW 31.7N 13.1W

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

				WIND	SPEED (KNOTS)			PCT	TOTAL
HOUR	CALM	1-3	4-10		22-33		48+	MEAN	FREQ	OBS
E0300	2.5	4.9	42.5	41.9	7.6	.6		11.7	100.0	24480
90300	2.2	5.3	43.7	40.8	7.4	.5		11.5	100.0	33972
12615	1.9	4.9	40.0	44.0	8.6	.6		12.2	100.0	26093
18621 TOT	1.8	4.9	41.2	42.9	8.6	.6		12.1	100.0	33954
PCT	2.1	5.0	41.9	42.3	8.1	.6			100.0	

TABLE 5

,	CT FRE	Q OF T	OTAL Y WIN	D DIREC	MOUNT (EIGHTHS)							CEILIN NH <5/					
WND DIR	0-2	3-4	5-7	B & DBSCD	TOTAL	COVER	000 149	150 299	300 599	999	1999	2000 3499	3500 4999	5000 6499	6500 7999	+0008	NH <5/8 ANY HGT	
N	10.3	8.0	11.1	5.5		4.2	.1		.3	1.7	5.5	3.9	1.6	.4	.2	.2	20.9	
NE	8.9	6.5	9.5	4.2		4.2			.2	1.3	4.2	3.4	1.5	.4	.1	.2		
E	1.6	. 8	1.3	.6		4.1				.2	.4	.5	.2	.1		.1	3.0	
SE	.8	.4	.8	.5		4.7				.1	.3	.2	.1				1.6	
S	1.0	. 8	1.4	. 8		4.5				.2	.5	.4	.2	.1		.1	2.5	
SW	1.7	1.4	2.2	1.1		4.3			.1	.4	.7	.6	.3	.1		.1	4.1	
	1.9	1.8	2.2	.9		4.1			.1	.4	.8	.6	.2	.1		.1	4.6	
NW	2.8	2.7	3.0	1.2		4.1			.1	.4	1.2	.9	.4	.1		.1		
VAR	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
CALM	.9	.4	.5	.3		3.5				.1	.2	.2	.1				1.6	
TOT DBS		12.0	100		52570	4.2				•			701	1	2010			52570
TOT PCT	29.9	22.8	32.1	15.2	100.0		.2	.1	.7	4.7	13.9	10.7	4.6	1.2	.5	.9	62.5	100.0

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

				VSBY (NE	1)			
CEILING	· DR	- OR	- OR	· DR	- DR	- DR	- DR	- DR
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
■ DR >6500	1.1	1.4	1.4	1.4	1.4	1.5	1.5	1.5
■ DR >5000	2.2	2.6	2.7	2.7	2.7	2.7	2.7	2.7
= DR >3500	6.0	7.1	7.2	7.2	7.2	7.2	7.2	7.2
- DR >2000	14.8	17.5	17.8	17.9	17.9	17.9	17.9	17.9
. OR >1000	26.2	31.1	31.6	31.7	31.7	31.7	31.7	31.7
- DR >600	29.7	35.5	36.3	36.3	36.4	36.4	36.4	36.4
■ DR >300	30.1	36.1	36.9	37.0	37.1	37.1	37.1	37.1
- OR >150	30.2	36.2	37.0	37.1	37.2	37.2	37.2	37.2
- DR > 0	30.2	36.3	37.2	37.3	37.3	37.3	37.4	37.4

TOTAL NUMBER OF OBS: 53602 PCT FREQ NH <5/8: 62.6

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 0BSCD 0BS 13.9 11.0 13.8 13.1 10.2 7.4 8.8 9.0 12.6 .1 56725

ANNUAL

PERIOD: (PRIMARY) 1923-1973
(OVER-ALL) 1854-1973

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY

N NF F SE S SW N NW VAR CALM PCT TOTAL

									OF VIS			
	N	NE	F	SE	5	SW		NW	VAR	CALM	PCT	TOTAL
PCP		.0	.0	.0	.0				.0	.0		
NO PCP									.0		.1	
TOT \$						•			.0		.1	
PCP				.0					.0	.0		
	.1	.1							.0		.3	
TOT \$.1	-1							.0		.3	
PCP			.0						.0			
NO PCP	.1	.1							.0		.2	
101 \$.1	•1							.0		.3	
PCP									.0		.3	
			.1		.1	.1	.1	.1	.0			
TOT \$.5	.3	.1	•1	.1	•2	.1	.2	.0	.1	1.6	
PCP	.2	.2	.1	.1	.1	.2	.2	.2	.0		1.3	
NO PCP	6.0	4.7	.7	.5	.7	1.1	1.2	1.5	.0	.3	16.7	
TOT \$	6.3	4.9	.8	.6	.8	1.3	1.4	1.7	.0	.3	18.0	
PCP	.3	.2			.1	.1	.1	.2	.0		1.1	
					3.1	4.8	5.4	7.7				
TOT %	27.4	23.6	3.6	2.0	3.1	4.9	5.6	7.8	.0	1.6	79.7	
TOT OBS												63110
TOT PCT	34.4	29.0	4.5	2.6	4.1	6.4	7.1	9.7	.0	2.0	100.0	
	NO PCP TOT S PCP	PCP ** NO PCP ** TOT % ** PCP ** NO PCP ** TOT % ** PCP ** NO PCP ** TOT % ** PCP ** NO PCP ** TOT % ** PCP ** NO PCP ** TOT % ** PCP ** NO PCP ** TOT % ** PCP ** NO PCP ** TOT % ** PCP ** NO PCP ** TOT % ** PCP ** NO PCP ** TOT % ** PCP ** TOT % ** TOT OBS	PCP	PCP	PCP	PCP						

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

					WITH V	ARYING	VALUE	S OF V	ISIBIL	ITY			
VSBY (NM)	SPD	N	NE	E	SE	s	SW		NW	VAR	CALM	PCT	TOTAL
	0-3				.0			.0	.0	.0			
<1/2	4-10									.0			
	11-21				.0	.0		.0		.0			
	22+		.0	.0	.0	.0				.0			
	TOT S									.0		.1	
	0-3								.0	.0			
1/2<1	4-10									.0		.1	
	11-21				.0					.0		.1	
	22+			.0						.0			
	TOT \$.1	.1							.0		.2	
	0-3			.0						.0			
1<2	4-10									.0		.1	
	11-21	.1								.0		.1	
	22+			.0						.0			
	TOT %	.1	.1			•				.0		.3	
	0-3									.0	.1	.1	
2<5	4-10	.2	.1				.1		.1	.0		.5	
	11-21	.2	.1				.1		.1	.0		.7	
	22+	.1	.1							.0		.3	
	TOT \$.5	.4	.1	.1	.1	.2	.1	.2	.0	.1	1.6	
	0-3	.2	.1	.1		.1	.1	.1	.1	.0	.3	1.0	
5<10	4-10	2.0	1.6	:3	.2	.3	.5	.6	.7	.0		6.1	
	11-21	2.9	2.5	.3	.2	.3	.5	.4	.5	.0		7.5	
	22+	.7	.6			.1	.2	.2	.2	.0		2.1	
	TOT %	5.7	4.8	.7	.5	.7	1.2	1.3	1.5	.0	.3	16.7	
	0-3	.9	.7	.3	.2	.3	.4	.4	.6	.0	1.7	5.3	
10+	4-10	10.8	8.9	2.2	1.1	1.5	2.2	2.9	4.6	.0		34.1	
	11-21	13.2	13.2	1.4	.6	1.1	1.8	1.8	2.4	.0		35.5	
	22+	2.1	2.3	.1	2.1	2.9	4:7	5:5	.6	.0	-	6.1	
	TOT \$	27.0	25.1	4.0	2.1	2.9	4.7	5.5	8.1	.0	1.7	81.1	
1	OT 085												88327
1	OT PCT	33.4	30.4	4.8	2.6	3.8	6.1	7.0	9.9	.0	2.1	100.0	

ANNUAL

PERIOD: (PRIMARY) 1923-1973 (OVER-ALL) 1854-1973

TABLE 10

AREA 0003 CASABLANCA SW 31.7N 13.1W

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

									2000					
HOUR (GMT)	000	150 299	300 599	999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL	
00603	.3	-1	.7	4.4	12.6	8.7	3.7	.9	.5	.7	32.5	67.5	12882	
06609	.3	.2	.8	5.4	16.7	12.4	5.0	1.5	.5	1.0	43.8	56.2	13451	
12615	.1	.1	.6	4.2	12.5	10.5	4.7	1.4	.6	1.0	35.8	64.2	14858	
18621	.1	.1	.6	4.2	12.1	9.9	4.3	.9	.5	.8	33.6	66.4	14145	
TOT PCT	.2	.1	.7	4.5	13.4	10.4	4.5	1.2	.5	.9	36.4	63.6	55336 100.0	

TABLE 11

TABLE 12

		PERCENT	FREQUEN	CY VSBY	(NH)	BY HOUR		CUMULAT	TVE PCT	FREQ	OF RAN	GES OF NH >4/8	VSBY (NM)	AND/OR
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL DBS
00603	.1	.2	.3	1.8	16.8	80.7	19935	00603	.3	1.1	7.1	27.5	65.4	12316
90300	.2	.2	.2	1.8	19.2	78.3	24358	06609	.3	1.4	8.4	37.2	54.3	13008
12615	.1	.2	.2	1.5	14.0	84.0	21294	12615	•1	.9	6.5	30.8	62.7	14491
18621	.1	.3	.3	1.5	16.9	#1.0	24503	18621	.2	.9	6.5	28.5	64.9	13787
TOT	.1	.2	.3	1.6	16.8	80.9	90090	TOT	.2	1.1	7.1	31.1	61.8	53602 100.0

TABLE 13

	PERCI	ENT FR	EQUENC	Y OF R	ELATIV	E HUMI	DITY BY	TEMP		
						- 1000000000			TOTAL	PCT
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	DBS	FREQ
85/89		.0		.0			.0	.0		
80/84	.0	.0			.1	.1				.3
75/79	.0	.0		.2	.7	1.7	.9	.2		3.8
70/74				.4	3.2	9.2	10.0	4.1		27.0
65/69				.8	4.6	10.9	11.2	4.8		32.2
60/64	.0		.1	1.6	7.1	10.7	8.8	3.7		32.1
55/59	.0	.0		.3	1.1	1.4	1.0	.5		4.4
50/54	.0	.0	.0				.1			.2
45/49	.0	.0	.0	.0	.0					
40/44	.0	.0	.0	.0	.0	.0		.0		
TOTAL								••	51720	100.0
PCT			.2	3,3	16.8	34.1	32.0	13.5		

TABLE 14

	PERCI	ENT FR	EQUENCY	OF W	IND DI	RECTIO	N BY T	EMP	
N	NE	E	SE	s	SW	W	NW	VAR	CALM
.1	.1	.0	.0	.0	.0	:	.0	.0	.0
11.0	8.6	:1	:4	:1	1.2	1.4	2.3	.0	.1
11.0	8.6	1.5	1.2	1.6	2.5	2.4	3.0	.0	.6
1.5	1.1	.3	•1	•1	.2	.3	•7	.0	•1
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
34.7	29.1	4.6	2.7	4.0	6.3	7.2	9.7	.0	1.8

TABLE 15

	MEANS,	EXTREMES	AND	PERCEN	TILES	OF TEMP	DE	G F)	Y HOUR
HOUR (GMT)	MAX	99%	95%	50%	5%	18	MIN	MEAN	TOTAL
00603	85	71	69	66	62	59	43	65.5	24849
90300	85	72	70	66	62	59	43	65.4	34161
12615	87	77	74	68	64	61	46	68.3	25674
18621	86	76	73	67	63	60	46	67.2	33551
TOT	87	75	72	67	62	60	42	44.4	118225

	PERC	ENT FRE	QUENCY	OF RELA	LINE H	UMIDITY	BY HOU	R
HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
60300	.0	2.4	12.8	31.0	36.2	17.6	80	12684
90300	.0	2.4	13.1	31.7	35.5	17.2	80	13331
12615		5.6	23.1	37.0	25.7	8.6	75	13568
18621		3.4	17.9	36.5	31.1	11.1	77	13478
TOT	3	1887	8981	18078	16941	7171	78	53061

ANNUAL

PERIOD: (PRIMARY) 1923-1973 (OVER-ALL) 1854-1973

0

TABLE 17

AREA 0003 CASABLANCA SW 31.7N 13.1W

0

100.0 1.3

98.7

40

PCT	FREQ	OF AI	R TE	MPERA	TURE	OEG	F) AN	D THE	DCCUI	RRENCI	E OF F	DE (WITHD	UT PRI	ECIPITATIO
				٧							CE (DE			
AIR-SEA	45	49	53	57	61	65	69	73	77	81	85	TOT		WD
THP DIF	48	52	56	60	64	68	72	76	80	84	88		FOG	FOG
20/22	.0	.0	.0	.0	.0	.0	.0		.0	.0		3	.0	
17/19	.0	.0	.0	.0	.0	.0			.0	*	.0	6	.0	
14/16	.0	.0	.0	.0	.0						.0	32	.0	.1
11/13	.0	.0	.0	.0				.1	.1			158		.3
9/10	.0	.0	.0	.0			.1	.1	.1	.1		274		.5
7/8	.0	.0	.0		.1	.1	.3	.3	.3	.1	.0	618		1.1
6	.0	.0	.0			.1	.3	•2	.2			462		.8
5	.0	.0		*	.1	.4	.6	.7	. 3		.0	1197		2.0
4	.0	.0	.0		.2	. 8	.9	. 8	.3		.0	1729	.1	2.9
3	.0	.0			.3	1.1	1.1	1.1	.2		.0	2178	.1	3.7
2	.0	.0			.9	2.3	2.1	1.7	.1		.0	4185	.1	7.1
1	.0	.0		.1	1.9	3.6	3.4	1.9		.0	.0	6333	.2	10.8
0 -	.0	.0		.3	4.5	5.1	5.6	1.7	.1		.0	9945	.3	17.0
-1	.0	.0		.7	6.0	4.9	5.3	. 8			.0	10156	.2	17.4
-2	.0			1.3	5.5	3.3	3.0	.4			.0	7904	.1	13.4
-3	.0	.0		1.7	3.5	1.9	1.5	.1		.0	.0	5078	.1	8.6
-4	.0	*	.1	1.3	2.3	1.1	.7	.1		.0	.0	3273		5.5
-5	.0		.1	1.1	1.5	.6	.3		.0	.0	.0	2126		3.6
-6	.0	.0	.1	.5	.5	.3	.1	*	0	.0	.0	907	*	1.5
-7/-8			.2	.5	.5	.2	.1		.0	.0	.0	907	*	1.5
-9/-10	.0		.1	.2	.1	.1		.0	.0	.0	.0	294	*	.5
-11/-13			.1	.1	.1			.0	.0	.0	.0	156		.3
-14/-16		*		*		.0	.0	.0	.0	.0	.0	46		.1
-17/-19			.0	.0	.0	.0	.0	.0	.0	.0	.0	10	.0	*
-20/-22	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	.0	*
TOTAL												57981		

PERIOD: (OVER-ALL) 1963-1973

PCT

TABLE 18
PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

.7 7.7 28.0 26.0 25.4 10.1 1.6 .2 *

11-21 22-33 3.0 .0 7.0 .4 5.4 .8 2.2 .9 .6 .5 .2 .3 .8 .2 .9 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 HGT
<1
1-2
3-4
5-6
7
8-9
10-11
12
13-16
17-19
20-22
23-25
26-32
33-40
41-48
49-60
61-70
71-86
71-86 PCT 1.5 7.7 8.7 6.1 2.8 1.3 .5 .2 .2 .0 .0 .0 .0 .0 4-10 1.6 6.7 3.3 .7 .1 * * * * .0 .0 .0 .0 .0 .0 .0 *********** .00.00 HGT <1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 23-40 41-48 49-60 61-70 71-86 87+ TOT PCT 22-33 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 *********** 484 4-10 .3 .7 .2 .1 .0 .0 .0 .0 .0 .0 .0 .0 .0

									ANNU	AL							
PERIOD:	OVE	R-ALL)	1963-1	973				TABLE	18 (CONT)				AREA		.7N 13.	
				PC	T FREQ C	F WIND	SPEED	(KTS)	AND I	DIREC	TION	VERSUS	SEA HEIG	HTS (FT	,		
							-					-					
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT			1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	.2	.4		.0	.0	.0	.6			.2	.4		.0	.0	.0	.6	
1-2	.1	1.0	.3	.0	.0	.0	1.3			. 1	1.4			.0	.0	2.0	
3-4		. 3	.6		.0	.0	1.0				.6	.9		.0	.0		
5-6	.0	.1	.4	.1		.0	.6			.0	.1				.0		
7	.0		.2	.1		.0	.3			.0					.0		
8-9	.0		.1			.0	.1			.0					.0		
10-11	.0	•				.0	.1			.0					.0		
12	.0	.0				.0				.0	.0				.0		
13-16	.0	•	.0		•	.0				.0					.0		
17-19	.0	.0			.0	.0				.0	.0				.0		
20-22	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0		
23-25	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0		
33-40	.0	.0		.0	.0	.0	:0			.0	.0			.0	.0		
41-48	.0	.0	.0	.0	.0	.0	0			.0	.0			.0	.0		
49-60	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0		
61-70	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0		
71-86	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0		
87+	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0		
TOT PCT	.3	1.8	1.6	.3	•	.0	4.1			.3	2.5				.0		
				W									22-33				PCT
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT			1-3	4-10			34-47	48+		PCI
<1	.3	.6		.0	.0	.0	.9			.3	. 8		.0	.0	.0		
1-2	.1	1.8	.5	.0	.0	.0	2.5			.2	2.9			.0	.0		
3-4		.7	.8	•1	.0	-0	1.6			*	1.0			.0	.0		
5-6	.0	.1	.3	.1	:	.0	.9			*	• 2			:	.0		
8-9	.0	:	:1	1		.0	. 2			.0					.0		
10-11	.0			.1			1 ,1			.0					.0		
12	.0					.0	i i			.0	.0				.0		
13-16	.0	.0				.0	.1			.0	.0				.0		
17-19	.0	.0	.0			.0				.0	.0				.0		
20-22	.0	.0		.0		.0				.0	.0				.0		
23-25	.0	.0	.0		.0	.0				.0	.0			.0	.0		
26-32	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0		
33-40	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0		
41-48	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0		
49-60	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0		
61-70	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0		
71-86	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0		
TOT PCT	.4	3.3	2.4	.6	•1	•	6.8			.5	4.9	3.1	.7	.1	.0	9.2	97.4

	MIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	5.3	5.7	.4	.0	.0	.0	11.3	003
1-2	1.3	20.6	7.9	.0	.0	.0	29.8	
3-4	• 2	9.0	17.1	1.1	.0	.0	27.3	
5-6		1.9	13.2	2.2	.1	.0	17.4	
7		.3	5.2	2.3	.1	.0	7.9	
8-9		.1	1.6	1.5	.1	.0	3.4	
10-11	•0		.5	.9	.1		1.5	
12	•0		.1	.4	.1	.0	.6	
13-16			.1	.4	.1	*	.6	
17-19	•0		*		*	.0	.1	
20-22	•0	.0				.0		
23-25	.0	.0	.0		.0	.0		
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	•0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								33435
TOT PCT	6.0	27.7	46.0	8.9	.6	*	100.0	

PERIO	0: (0)	ER-ALL	194	9-197	,				TABLE	19											
					PERCENT	FRE	QUENCY D	F WA	VE HEI	SHT (F	T) ys	WAVE P	ERIOD	(SECON	DS)						
PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN
<6	1.5	7.6	9.8	5.7	2.5	1.0	.4	.1	.1			0	.0	.0	.0	.0	.0	.0	.0	12116	4
6-7		1.2	5.0	7.4	5.2	2.5		.5	.4	•1			.0	.0	.0	.0	.0	.0	.0	10025	6
8-7		.4	1.9	3.6	3.7	2,3	1:5	.7	.6	.1			.0	.0	.0	.0	.0	.0	.0	6238	7
10-11	.0	.5	.8	1.2	1.5	1.2	.9	.4	.4	.1				0	.0	.0	.0	.0	.0	3100	7
12-13	.0	.0	.8	.7	.7	.5	.5	.2	.3	.1					.0		.0	.0	.0	1622	7
>13	.0	.0	.0	.3	.3	.2	.2	.1	.2	.1					.0	.0	.0	.0	.0	667	9
INDET	2.5	3.6	4.5	3.4	2.8	1.6	.9	• 3	.4	.1		•	•	0	.0		.0	.0	.0	8560 42328	5
PCT	4.1	13.4	22.8	22.4	16.7	9.3	5.8	2.4	2.3	.5	. 2	1			.0	0	.0	.0	.0	100.0	

COVE	R-ALL) 1854-1	973					TABL	E 20				4		31.7	N 13.
				PERCE	NT FRE	QUENCY	or oc	CURRENC	E OF	SEA TE	AP (DEG	F) B	-	н	
	SEA THP	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	DCT	NOV	DEC	ANN	PCT
	96+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
	95/96	.0	.0	.0	.0	.0	.0	40	.0	.0	.0	.0	. 0	0	.0
	93/94	.0	.0	.0	.0	.0	.0	.0	.0	.0	• 0	.0	.0	0	.0
	91/92	.0	.0	.0	.0	.0	.0	.0	.0	•0	• 0	.0	.0	0	.0
	89/90	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	o	.0
	87/88	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
	85/86	.0	.0	.0	.0	.0	.0	.0	.0	•0	.0	.0	.0	0	.0
	83/84	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	1	
	81/82	.0	.0	.0	.0			.1	.1	•1		.0	.0	28	
	79/80	.0	.0	.0	.0		.0	.2	.3	.3	.2		.0	93	.1
	77/78	.0	.0				.1	.4	.7	1.1	.7	.2	.0	285	.3
	75/76	.0	.0			.1	.3	1.0	3.6	7.3	3.9	.6	.1	1508	
	73/74	.1		.0	.1	.2	1.1		21.0	35.6	22.5	3.4	.2	8010	7.3
	71/72	.3	. 2	.2	.3	. 8	4.9		45.4	40.1		14.7	1.3	15312	13.5
	69,70	. 9	. 6	. 5	:7	2.8	17.9		22.7	11.2		30.9	5.3	14335	12.8
	67/68	5.1	3.0	3.9	5.0	14.8	39.9	25.9	4.4	3.0		31.2	23.0	15467	13.8
	65/66	22.4	13.7	13.5	17.4	36.5	25.9	4.6	1.1	.9		13.4	37.2	17926	16.0
	63/64	47.7	41.6	42.1	45.6	36.4	8.6	1.0	.6	.4	1.0	4.3	25.9	24417	21.8
	61/62	18.6	30.7	29.9	24.0	6.9	. 8		.1	•1	• 2	.8	5.1	11204	10.0
	59/60	3.8	7.9	7.6	5.9		• 2	•1			•1	.3	1.5	2731	2.4
	57/58	.7	1.3		.7	1.3		•1	.0				.4	440	
				1.1		• 1	•1	•1		•0	•0	• 1			.4
	55/56	.3	.6	.5	• 2	• 1	.1	•	.0	•0	•0	*	• 1	183	.2
	53/54	.1	.3	• 2	• 1			•0		•0	•0	•0	•1	71	
	51/52 49/50	:	.1	• 1	.0	•	.0	.0	.0	•0	.0	.0	:0	19	:
	47/48	-	.0			.0	.0		.0	•0			.0		.0
		.0	.0	.0	.0	.0		•0	.0		•0	.0		0	.0
	45/46	.0	.0	•0	.0	.0	.0	.0		•0	•0	•0	.0		
	43/44	.0	.0	.0	.0	.0	•0	.0	.0	•0	•0	.0	.0	0	.0
	41/42	.0	.0	.0	.0	.0	.0	.0		•0	•0	.0	.0	0	.0
	39/40	.0	.0	.0	.0	.0	.0	• 0	.0	•0	•0	.0	.0	0	.0
	37/38	.0	.0	.0	.0	.0	.0	.0	.0	•0	.0	.0	.0	0	.0
	35/36	.0	.0	.0	.0	.0	.0	.0	.0	•0	•0	• 0	.0	0	.0
	33/34	.0	.0	.0	.0	.0	.0	.0	.0	•0	•0	•0	.0	0	.0
	31/32	.0	.0	.0	.0	.0	.0	.0	.0	•0	•0	• 0	.0	0	.0
	29/30	.0	.0	.0	.0	.0	.0	.0	.0	•0	.0	.0	.0	0	.0
	27/28	.0	.0	.0	.0	.0	.0	• 0	.0	•0	•0	•0	.0	0	.0
	<27	.0	.0	.0	.0	.0	.0	.0	.0	0	0	.0	.0	0	
	TOTAL	9709	9011	10045	9371	9827	9039	9348	9011	8579	9145	9236	9714	112035	100.0

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TABLE	21
PRESSURE	(MB)

			AV	ERAGE	BY HUL	K (GT	1)			
										TOTAL
HO	0000	0300	0600	0900	1200	1500	1800	2100	MEAN	DAS
JAN	1021	1020	1020	1023	1022	1020	1021	1022	1021	6956
FEB	1018	1017	1017	1020	1019	1016	1018	1020	1018	6571
MAR	1018	1017	1017	1018	1019	1017	1017	1018	1018	7532
APR	1019	1018	1017	1018	1019	1018	1018	1018	1018	6826
MAY	1019	1018	1017	1019	1019	1018	1018	1019	1018	7072
JUN	1019	1018	1018	1019	1019	1019	1018	1019	1019	6579
JUL	1019	1018	1018	1019	1019	1018	1018	1019	1019	6696
AUG	1018	1017	1017	1017	1018	1017	1017	1018	1017	6675
SEP	1019	1018	1018	1018	1019	1018	1018	1019	1018	6098
DCT	1018	1017	1017	1018	1018	1017	1017	1018	1018	6732
NOV	1018	1017	1017	1018	1019	1017	1018	1018	1018	6678
DEC	1021	1021	1020	1022	1022	1020	1020	1022	1021	7162
ANN	1019	1018	1018	1019	1019	1018	1018	1019	1019	81577
085	16943	1531	16935	4625	18176	1646	17331	4390		
	NERRYNL GPTVCH MAPAULU GPTVCH SECONDEN	JAN 1021 FEB 1018 MAR 1018 APR 1019 MAY 1019 JUN 1019 JUL 1019 AUG 1018 NDV 1018 NDV 1018 DEC 1021 ANN 1019	JAN 1021 1020 PEB 1018 1017 MAR 1018 1017 APR 1019 1018 MAY 1019 1018 JUN 1019 1018 JUN 1019 1018 JUN 1019 1018 GCT 1018 1017 NOV 1018 1017 DEC 1021 1021 ANN 1019 1018	MO 0000 0300 0600 JAN 1021 1020 1020 FEB 1018 1017 1017 MAR 1018 1017 1017 MAP 1019 1018 1017 JUN 1019 1018 1018 JUL 1019 1018 1018	MI 0000 0300 0600 0900 JAN 1021 1020 1020 1023 REB 1018 1017 1017 1026 MAR 1018 1017 1017 1018 APR 1019 1018 1017 1017 1018 MAY 1019 1018 1018 1018 1019 JUN 1019 1018 1018 1019 JUN 1019 1018 1018 1019 JUN 1019 1018 1018 1019 SEP 1019 1018 1018 1018 CCT 1018 1017 1017 1018 NOV 1018 1017 1017 1018 DEC 1021 1021 1020 1022 ANN 1019 1018 1018 1010 1022	MO 0000 0300 0600 0900 1200 JAN 1021 1020 1020 1023 1022 REB 1018 1017 1017 1020 1019 MAR 1018 1017 1017 1016 1019 APR 1019 1018 1017 1017 1016 1019 MAY 1019 1018 1017 1019 1019 JUN 1019 1018 1018 1019 1019 JUL 1019 1018 1018 1019 1019 JUL 1019 1018 1018 1019 1019 JUL 1019 1018 1018 1019 1019 GET 1018 1017 1017 1018 1018 SEP 1019 1018 1018 1018 1019 GET 1018 1017 1017 1018 1018 MOV 1018 1017 1017 1018 1019 DEC 1021 1021 1020 1022 1022 ANN 1019 1018 1018 1018 1019	MIG 0000 0300 0600 0900 1200 1500 JAN 1021 1020 1020 1023 1022 1020 PEB 1018 1017 1017 1020 1019 1016 MAR 1018 1017 1017 1018 1019 1017 APR 1019 1018 1017 1019 1019 1018 MAY 1019 1018 1017 1019 1019 1019 JUN 1019 1018 1018 1019 1019 1018 AUG 1018 1017 1017 1017 1018 1018 CCT 1018 1017 1017 1018 1018 1019 TOUT 1018 1017 1017 1018 1019 1017 TOUT 1018 1017 1017 1018 1019 1017 TOUT 1018 1017 1017 1018 1019 1017 TOUT 1018 1017 1018 1019 1019 1019	JAN 1021 1020 1020 1023 1022 1020 1021 PEB 1018 1017 1017 1020 1019 1016 1018 MAR 1018 1017 1017 1018 1019 1017 1017 APR 1019 1018 1019 1018 1019 1018 1019 1018 1019 1018 1019 1018 1019 1018 1019 1018 1019 1018 1018	MIG 0000 0300 0600 0900 1200 1500 1800 2100 JAN 1021 1020 1020 1023 1022 1020 1021 1022 REB 1018 1017 1017 1020 1019 1016 1018 1020 MAR 1018 1017 1017 1018 1019 1017 1017 1018 APR 1019 1018 1017 1017 1018 1019 1017 1018 1018 MAY 1019 1018 1017 1019 1019 1018 1018 1018 MAY 1019 1018 1018 1019 1019 1019 1018 1018	MO 0000 0300 0600 0900 1200 1500 1800 2100 MEAN JAN 1021 1020 1020 1023 1022 1020 1021 1022 1021 REB 1018 1017 1017 1020 1019 1016 1018 1020 1018 MAR 1018 1017 1017 1018 1019 1017 1017 1018 1018 APR 1019 1018 1017 1019 1019 1018 1018 1018 1018 MAY 1019 1018 1017 1019 1019 1018 1018 1018 1018 MAY 1019 1018 1017 1019 1019 1018 1018 1019 1019 JUN 1019 1018 1018 1019 1019 1019 1018 1018

	PERCENTILES														
MO	HIN	1*	5%	25%	50%	75%	95%	99%	MAX						
JAN	994	1001	1009	1018	1022	1026	1030	1033	1037						
PER	992	1001	1007	1014	1019	1023	1028	1031	1038						
MAR	993	1002	1007	1014	1018	1022	1026	1029	1036						
APR	996	1003	1009	1015	1018	1021	1025	1029	1037						
MAY	1000	1008	1011	1016	1018	1021	1024	1027	1032						
JUN	1004	1009	1012	1017	1019	1021	1024	1025	1030						
JUL	1006	1011	1014	1017	1019	1020	1023	1025	1028						
AUG	1003	1009	1012	1016	1018	1019	1022	1024	1029						
SEP	1002	1010	1013	1017	1019	1020	1023	1025	1032						
DCT	995	1006	1010	1015	1018	1020	1023	1026	1031						
NOV	993	1001	1008	1015	1019	1022	1026	1030	1037						
			1000	1015			1000	1000	1000						

PERIOD: (PRIMARY) 1916-1973 (UVER-ALL) 1855-1973

TABLE 1

AREA 0004 CANARY ISLANDS 28.0N 15.1W

PERCENT FREQUENC	Y DE	WEATHER	DECURRENCE	RY	WIND	DIRECTION

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHENO	MENA	
WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT	PCPN PAST HOUR	THDR	FDG WD PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	NO SIG WEA
N	:6	3.4	.4	.0	.0	.0	.0	4.4	2.6	.7	1.4	.2	.1	.0	90.7
NE	. 3	.7	:3	.0	.0	.0	.0	1.3	.4	.4	1.4	.0	.2	.2	96.3
E	.7	.1	.0	.0	.0	.0	.0	.8	.0	.3	2.9	.0	2.3	.6	93.3
SE	.2	.6	.3	.0	.0	.0	.3	1.4	.1	.2	4.5	.0	4.9	4.3	84.8
S	1.3	2.7	.9	.0	.0	•0	.0	4.7	1.2	1.6	2.8	.0	1.2	.6	88.0
SW	.6	2.9	.9	.0	.0	.0	.0	4.3	1.7	1.3	1.7	.0	.3	.0	91.1
W	.7	2.9	1.4	.0	.0	.0	.0	5.0	1.6	.5	.4	.0	1.3	.5	90.7
NW	1.5	3.1	1.7	.0	.0	.0	.0	6.3	2.6	.9	1.0	.0	.7	.2	88.4
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	•0	.0	.0	.0	.0	2.1	.0	.7	.7	96.6
TOT PCT	3621	1.5	.5	.0	.0	.0		2.5	.9	.6	2.0	•	1.0	.6	92.4

TABLE 2

PERCE	NT FREC	DIENCY D	F WE	THER OF	CURRENC	F BY	HOUR

			P	RECIPI	TATIO	N TYPE					DTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT	PCPN PAST	THOR	FOG WO PCPN	FOG WO PCPN PAST HR		SPRAY BLWG DUST BLWG SNOW	NO SIG WEA
00803 06809 12815 18821	.7 .4 .3	2.4 .8 1.8	.4 .8 .3 .2	.0	.0	•0	.0 .0	1.9 3.8 1.6 2.4	1:1 :7 :7	1.2 .8 .0	1.4	.0 .0 .0	.6 1.1 1.7	.6 .3 .8	93.8 91.5 94.6 90.8
TOT PCT	.5 3783	1.5	.4	.0	.0	•0		2.4	. 8	.6	1.9		1.0	.6	92.7

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		WIN	D SPE	ED (KN	DTS)								HOUR	(GMT)			
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	QBS	FREQ	MEAN	00	03	06	09	12	15	18	21
N NE	1.4	6.3	5.8	1.1	:1	.0		14.2	11.9	14.0	9.5	14.0	13.4	12.6	14.7	16.3	15.2
E	1.1	9.4	5.8	.6		.0		16.9	10.1	17.4	23.8	15.2	19.9	17.6	16.4	15.3	17.6
SE	.5	4.6	2.8	.4	*	.0		8.4	10.6	6.1	7.3	7.7	9.6	9.8	15.9	9.7	7.4
S	.6	3.0	1.9	.4	*	.0		5.9	10.5	5.5	8.5	5.7	4.3	7.6	9.3	6.0	4.1
SW	.4	2.9	1.8	.3	*	.0		5.4	10.8	5.6	2.7	4.9	4.9	5.9	8.6	5.7	5.1
W	.5	2.0	1.1	.2		.0		3.7	9.6	3.3	2.1	3.7	2.1	4.5	4.7	4.3	3.5
NW	.4	2.6	1.4	.3		.0		4.7	10.2	4.4	4.3	5.0	5.0	4.6	2.9	4.3	5.5
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	3.4							3.4	.0	4.7	2.4	3.7	2.2	2.9	2.0	2.6	3.6
TOT OBS	696	3464	2930	471	34	0	7595		11.0	1573	82	1480	670	1429	102	1421	838
TOT PCT	9.2	45.6	38.6	6.2	.4	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

WND DIR	0-6	7-16	SPEED 17-27	(KNOTS) 28-40	41+	TOTAL	PCT	MEAN	00 03	HDUR 06 09	12 15	18 21
N NE	3.3	7.6	3.0	1:0			14.2	11.9	13.8	13.8	12.8	15.9
	4.6		2.3	*	-			10.1	17.7	16.7	17.5	16.1
E SE	2.4	10.0	1.4		.0		16.9	10.6	6.1	8.3	10.2	8.8
5	2.0		.,9	•1			5.9	10.5	5.6		7.8	5.3
S SW		2.8			.0					5.3		
	1.7	2.7	.9	.1	.0		5.4	10.8	5.5	4.9	6.0	5.5
W	1.4	1.8	.5	.1	*		3.7	9.6	3.2	3.2	4.6	4.0
NW	1.6	2.3	.7	.1	*		4.7	10.2	4.4	5.0	4.5	4.8
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	3.4						3.4	.0	4.6	3.3	2.9	3.0
TOT OBS	2005	4075	1364	146	5	7595		11.0	1655	2150	1531	2259
TOT PCT	26.4	53.7	18.0	1.9	.1		100.0		100.0		100.0	100.0

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PERIOD: (PRIMARY) 1916-1973 (OVER-ALL) 1855-1973

TABLE 4

AREA 0004 CANARY ISLANDS 28.0N 15.1W

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

				WIND	SPEED (KNOTS)			PCT	TOTAL
HOUR	CALM	1-3	4-10	11-21	22-33	34-47	48+	MEAN	FREQ	OBS
00603	4.6	6.0	44.8	38.6	5.6	.4	.0	10.9	100.0	1655
90330	3.3	5.5	46.2	38.4	6.2	.4	.0	10.9	100.0	2150
12615	2.9	5.2	43.3	40.9	7.4	.4	.0	11.5	100.0	1531
18621	3.0	6.3	47.2	37.1	5.8	.6	.0	10.8	100.0	2259
TOT	257	439	3464	2930	471	34	0	11.0		7595
PCT	3.4	5.8	45.6	38.6	6.2	.4	.0		100.0	

TABLE 5

TABLE 6

	CT FRE			CLOUD A		EIGHTHSI							CEILIN NH <5/					
WND DIR	0-2	3-4	5-7	8 & DBSCD	TOTAL	COVER	000 149	150 299	300 599	600 999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8	
N	5.3	3.2	4.2	1.7		3.8		.0	.1	.3	1.8	1.6	.8	.2	.0	.1	9.5	
NE	13.2	8.4	10.6	3.6		3.7		*	.1	.9	4.5	3.5	1.5	.6	.1	• 2	24.2	
E	7.0	2.0	2.6	1.2		2.7	.1	.0	.0	.2	.4	.9	.4	.2	.1	.2	10.4	
SE	4.6	1.6	2.3	.9		3.1		.0	.0		.5	.4	.1	.1	.2	. 3	7.7	
S	3.3	1.3	3.0	. 8		3.8	.0	.0	.1	.4	. 8	.6	.4	.1		.2	5.8	
SW	3.1	1.7	2.3	.4		3.5			.1	.3	.6	.4	.1		.1	.1	5.8	
	1.5	.9	1.0	.4		3.5	.0	.0		.1	.4	.2	.1		.0		3.0	
NW	1.3	. 8	1.3	.4		4.0	.0	.0		.1	.4	.4	.2	.1			2.5	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	3.0	.6	.6	.2		2.0	.0	.0	.0	.1		.2			.0	.1	3.9	
TOT OBS	1188	575	783	266	2812	3.4	6	2	10	65	263	230	102	40	16	33	2045	2812
TOT PCT	42.2	20.4	27.8	9.5	100.0		.2	.1	.4	2.3	9.4	8.2	3.6	1.4	.6	1.2	72.7	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

					VC0V / NU				
				-2101	VSBY (NH				
CEI	LING	OR	■ DR	= OR	- OR	- OR	 DR 	 OR 	= DR
(FE	ET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
- OR >	6500	1.3	1.7	1.8	1.8	1.8	1.8	1.8	1.8
- OR >	5000	2.6	3.1	3.2	3.2	3.2	3.2	3.2	3.2
= OR >		5.3	6.3	6.6	6.6	6.6	6.7	6.7	6.7
- OR >		12.1	14.1	14.6	14.6	14.6	14.7	14.7	14.7
. DR >	1000	20.1	23.1	23.7	23.8	23.8	23.8	23.8	23.8
. OR >	600	21.9	25.1	25.9	26.0	26.1	26.1	26.1	26.1
- OR >		22.1	25.4	26.2	26.4	26.4	26.4	26.4	26.4
= OR >		22.1	25.5	26.3	26.4	26.5	26.5	26.5	26.5
= OR >		22.2	25.6	26.5	26.7	26.7	26.7	26.7	26.7
1	OTAL	643	741	769	773	774	775	775	775

TOTAL NUMBER OF OBS: 2900

PCT FREQ NH <5/8: 73.3

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 DBSCD OBS 27.3 11.5 13.7 11.2 9.0 6.2 7.2 6.6 7.2 .2 3098

JANUARY

PERIOD: (PRIMARY) 1916-1973 (OVER-ALL) 1855-1973

TABLE 8

AREA 0004 CANARY ISLANDS 28.0N 15.1W

		P	ERCENT					YING V				URRENC	E OF
VSBY		N	NE	F	SE	5	SW		NW	VAR	CALM	PCT	TOTAL
	PCP	.0	.0		.0	.0	.0	.0	.0	.0	.0		
<1/2	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0		.0	.0	.0	.0	.0	.0	.0		
	PCP	.0	.0	:0 :1 :1	.0				.0	.0	.0	.1	
1/2<1		.1	.1	.1	.0	.2	.1	:		.0	.0	:6	
	101 %	.1	.1	.1	.0	.5	.1			.0	.0	.7	
	PCP	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.1	
1<2	NO PCP	.0		.1		.0	.0			.0	.0	.2	
	TOT *	.0	*	.1		.1	.1			.0	.0	.3	
	PCP		.0	.0	.0	. 1		.0	.0	.0	.0	.2	
2<5	NO PCP	.2	.3	.3	.6	.2	.1			.0	.1	1.9	
	TOT \$.2	.3	.3	.6	.3	.2			.0	• 1	2.0	
	PCP	.4	.3	.1	.1	.1	.1	.1	.1	.0	.0	1.3	
5<10	NO PCP	2.2	5.1	2.7	2.2	1.4	1.0	:7	.6	.0	.4	16.3	
	TOT \$	2.5	5.4	2.8	2.2	1.5	1.1	.8	.8	.0	.4	17.6	
	PCP	.2	.2	.0	.1	. 1	.1		.1	.0	.0	. 8	
10+	NO PCP	11.0	29.9	10.0	6.2	6.1	5.8	2.9	3.1	.0	3.5	78.5	
	TOT %	11.2	30.1	10.0	6.3	6.2	5.8	2.9	3.2	.0	3.5	79.3	
	TOT OBS												3613
	TOT PCT	14.0	35.9	13.3	9.2	8.4	7.3	3.9	4.0	.0	4.0	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

										• • •			
VSBY (NM)	SPD	N	NE	E	SE	s	SW	W	NW	VAR	CALM	PCT	TOTAL
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	.0	.0		.0	.0	.0	.0	.0	.0			
	11-21	.0	.0			.0	.0	.0	.0	.0			
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT \$.0	.0			.0	.0	.0	.0	.0	.0		
	0-3	.0	.0	.0	.0		.0	.0	.0	.0	.0		
1/2<1	4-10	*			.0	.1	*	.0		.0		.2	
	11-21				.0	.1	*	*		.0		.2	
	22+	.0	*	.0	.0			.0	.0	.0			
	TOT %	.1	.1	.1	.0	.2	.1			.0	.0	.5	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	4-10	.0	.0		*		.0	*		.0		.1	
	11-21	.0				.1	.1	.0	.0	.0		.2	
	22+	.0			.0	.0		.0	.0	.0			
	TOT %	.0		.1	.1	.1	.1			.0	.0	.4	
	0-3	.0				.0	.0		.0	.0	.1	.2	
2<5	4-10	.1	.1	.1	.2	.1	.1			.0		.6	
	11-21	.1	.1	.1	.2	.1	. 1	.0	*	.0		.7	
	22+				.1	.1		.0	.0	.0		.3	
	TOT %	•2	.3	.3	.5	. 2	•2			.0	.1	1.9	
	0-3	.1	.2	.2	.1	.1	.1	.1	.1	.0	.4	1.3	
5<10	4-10	.9	1.6	.9	.7	.5	.4	. 3	.3	.0		5.6	
	11-21	.9	2.2	1.1	.8	.4	.4	.3	.3	.0		6.4	
	22+	.2	,5	.1	.2	.1	.1		.1	.0		1.3	
	TOT \$	2.1	4,5	2.3	1.8	1.2	1.0	.7	.7	.0	.4	14.7	
	0-3	.7	1.2	.9	.4	.4	.4	.4	.2	.0	3.2	7.9	
10+	4-10	4.8	12.7	7.9	3.6	2.8	2.9	1.7	2.1	.0		38.6	
	11-21	4.6	15.9	4.0	2.0	1.8	1.8	.8	1.0	.0		31.9	
	22+	. 6	2.0	.3	.2	.4	.3	.1	.1	.0		4.2	
	TOT \$	10.8	31.8	13.2	6.3	5.5	5.3	3.0	3.4	.0	3.2	82.5	
	TOT 085												5248
1	TOT PCT	13.2	36.7	15.9	8.6	7.2	6.6	3.8	4.2	.0	3.8	100.0	

 	۷.	_	

PERIOD:	(PRIMARY)	1916-1973
	(OVER-ALL)	

TABLE 10

AREA 0004 CANARY ISLANDS 28.0N 15.1W

PERCENT FREQUENCY OF CEILING HFIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 by HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000	2000 3499	3500 4999	5000	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL
00803	•1	•1	.3	2.4	6.9	7.0	2.0	. 8	.4	.9	21.7	78.3	738
06609	.4	.1	.6	3.2	10.0	8.1	4.3	1.9	.6	1.1	30.4	69.6	718
12415	.2	.0	.5	1.4	9.5	7.4	3.2	1.6	.5	1.1	25.4	74.6	835
18621	.0	.0	.0	1.7	8.7	8.7	3.6	1.2	.7	1.7	26.4	73.6	747
TOT	.2	.1	10	66	267	237	104	42	16	37	787	2251	3038

TABLE 11

TABLE 12

		PERCENT	FREQUE	NCY VSB	Y (NH)	BY HOUF		CUMULAT	TIVE PCT	FREQ	OF RAM	GES OF	VSBY (NM)	AND/OR
HOUR (GMT		1/2<1	1<2	2<5	5<10	10+	TOTAL	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL DBS
0300	3 .0	.5	-1	2.2	13.3	83.9	1237	£0300	.1	.6	4.8	18.9	76.3	692
0360	9 .1	.5	.7	2.3	17.0	79.4	1474	90360	.4	1.5	6.6	26.0	67.4	685
1261	5 .0	.1	.2	1.2	13.0	85.6	1233	12615	•2	.7	3.9	23.3	72.8	802
1862	1 •1	.7	.5	1.6	15.2	81.9	1467	18621	.0	.0	4.4	24.0	71.6	721
PCT	2	25	20	1.8	798 14.7	4466 82.5	5411 100.0	TOT PCT	.2	20	141	669	2090	2900

TABLE 11

	PERCI	ENT FR	EQUENC	Y OF R	ELATIV	E HUMI	DITY B	Y TEMP		
TEMP F								90-100	TOTAL	FREG
80/84	.0	.0	.0	.0	.0	.0	.1	•		,
75/79	.0	.0	.1	.0	.1			:0		.1
70/74	.0		.2	.5	.9	1.4	.9	.3	108	4.2
65/69	.0	.0	. 2	4.2	11.8	18.5	14.1	6.1	1421	54.9
60/64	.0	.0	.2	1.5	11.0	13.9	8.7	4.2	1021	39.5
55/59	.0	.0	.0	.0	.2	.4	.3			1.1
TOTAL	0	1	19	159	622	884	623	278	28	
PCT	.0		.7	6.1	24.1	34.2	24.1	10.8	2586	100.0

TABLE 14

	PERC	ENT FR	EQUENC	Y OF W	IND DI	RECTIO	N BY T	EMP	
N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	:0	.0	:0	.0	.1	.0	.0	.0	.0
.4	1.0	.6	.4	.6	.5	.3	.2	.0	.1
7.6	14.9	5.0	7.5	1.3	1.2	2.8	2.1	.0	1.2
.3	.6	.0	•0	.0	•		*	.0	.1
14.0	36.2	14.0	9.2	8.2	7.3	3.8	3.9	.0	3.4

TABLE 15

						O C.	. (05	0 7 8	HUOK
HOUR (GHT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL
00603	77	70	68	64	60	58	52	64.0	1689
12615	80	75	72	66	62	60	56	66.6	1505
18621 TOT	81	73	70	65	60	57 58	52	65.2	7620

	FERG	EN! LKE	MOENCT	OF KELA	ITAE H	MIDITY	BY HOU	
HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
00603	.0	3.3	19.5	36.4	27.1	13.7	77	657
06609	.0	6.2	21.6	30.6	29.2	12.5	76	682
12615	.0	10.8	29.2	33.1	19.9	7.1	72	695
18621	.0	6.8	25.1	38.1	20.9	9.1	74	657
TOT	0	184	643	928	652	284	75	2691

PERIOD:	(PRIMARY)	1916-1973
	(CVER-ALL)	1855-1072

T	۸	R	=	1	7

AREA 0004 CANARY ISLANDS 28.0N 15.1W

P	CT FREQ OF	AIR	TEMP								FOG (WI	THOUT	PRECIPITATION	N
	AIR-SEA	49	53	57	61	65	69	73	77	81	TOT	W	WO	
	THP DIF	52	56	60	64	68	72	76	80	84		FOG	FOG	
	17/19	.0	.0	.0	.0	.0	.0	.0	.0		1	.0		
	14/16	.0	.0	.0	.0	.0	.0	.0		.0	1	.0		
	11/13	.0	.0	.0	.0	.0	.1	.0	.1	.0	4	.0	.1	
	9/10	.0	.0	.0	.0		.1	.2	.0	.0	9	.0	.3	
	7/8	.0	.0	.0	.0	.3	.4	.3	.1	.0	38	.0	1.1	
	6	.0	.0	.0		.2	.3	.1	.0	.0	20		.6	
	5	.0	.0	.0	.1	. 8	.8	.3	.0	.0	70	.1	2.0	
	4	.0	.0	.0	.3	1.3	. 8	.1	.0	.0	86	.1	2.5	
	3	.0	.0	.0	.7	2.0	1.5	.1	.0	.0	145	.1	4.1	
	2	.0	.0	.0	1.2	4.4	1.9	.0	.0	.0	258	.1	7.5	
	1	.0	.0		1.8	7.2	1.8	.0	.0	.0	370	.2	10.6	
	0	.0	.0	.1	3.8	11.5	.6	.1	.0	.0	544	.4	15.5	
	-1	.0	.0	.2	6.4		.2		.0	.0	571	.4	16.2	
	-2	.0	.0	.3	8.9	6.1	.2		.0	.0	530	.4	15.1	
	-3	.0	.0	.6	6.5	2.2		.0	.0	.0	319	.1	9.2	
	-4	.0	.0	.7	4.4	. 8	.1	.0	.0	.0	202	.1	5.8	
	-5	.0	.0	.7	2.3	.5		.0	.0	.0	122	.1	3.5	
	-6	.0	.0	. 8	.9	.1		.0	.0	.0	64		1.8	
	-7/-8			.6		.1	.0	.0	.0	.0	43	.0	1.3	
	-9/-10	.0	.2	.2	.1		.0	.0	.0	.0	18	.0	.5	
	-11/-13	*	.1	.0		.0	.0	.0	.0	.0	6	.0	.2	
	-14/-16	.0		.0	.0	.0	.0	.0	.0	.0	1	.0		
	TOTAL	2		144		1624		38		1		71	3351	
			13		1291		303		6		3422			
	PCT	.1	.4	4.2	37.7	47.5	8.9	1.1	.2		100.0	2.1	97.9	

PERIOD: (OVER-ALL) 1963-1973

TABLE 18

								TABLE	18						
				PC	T FREQ OF	WIND	SPEED	(KTS) AND	DIRE	CTION V	ERSUS S	EA HEIG	HTS (FT)		
HGT	1-3	4-10	11-21	N 22-33	34-47	48+	PCT		1-3	4-10	11-21	NE 22-33	34-47	48+	PCT
<1	.7	.9	.1	.0	.0	.0	1.7		.5	1.5	.2	.0	.0	.0	2.2
1-2	.1	3.0	1.4	.0	:0	:0	4.5		.2	5.9	3.1	.0	.0	.0	9.3
3-4	.0	1.5	2.7	.2	.0	.0	4.4		.2	3.2	7.1	.3	.0	.0	10.8
5-6	.0	.1	2.0	.3	.0	.0	2.4		.0	.7	5.0	.6	.0	.0	6.3
7	.0	.1	.4	.4	.0	.0	.,		.0	.0	1.7	.7	.0	.0	2.3
8-9	.0	.0	.3	.1	.0	.0	.3		.0	.1	.8	.5	.0	.0	1.4
10-11	.0	.0	.2	.1		.0	.3		.0	.0	.0	.1		.0	.1
12	.0	.0	.0	.0	.0	.0	.0		.0	.0	.1	.0	.0	.0	:1
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
33-40	•0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
TOT PCT	.8	5.6	6.9	1.1	•	.0	14.5		1.0	11.3	17.9	2.2		.0	32.5
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	SE 22-33	34-47	48+	PCT
<1	.4	1.7	,1	.0	.0	.0	2.1		.2	1.0	.2	.0	.0	.0	1.3
1-2	.3	4.3	1.1	.0	.0	.0	5.7		.1	2.4	.9	.0	.0	.0	3.3
3-4	.1	1.7	2.0	.1	.0	.0	3.8		.0	1.0	1.6	.1	.0	.0	2.7
5-6		.1	. 8	.2	.0	.0	1.2			.3	1.0	.3	.0	.0	1.5
7	.0	.1	.4	.2	.0	.0	.7		.0	•1	.4	.2	.0	.0	.7
8-9	.0	.0	.0	.1	.0	.0	.1		.0	.0	.2	.2	.0	.0	.3
10-11	.0	.0	.0	.0	.0	.0	.0		.0	.1	.0	.0	.1	.0	.1
12	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0		.0	.0	
13-16	.0	.0	.0	.0		.0			.0	.0	.0	.0		.0	
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
TOT PCT	.7	7.9	4.4	.5	•	.0	13.6		.2	4.7	4.2	.7	.1	.0	9.9

PERIOD:	LOVE	0-411)	1963-1	073					JANU	ARY				4054	0004	CANARY	
PERIOU.	1012	N-4667	1703-1					TABLE	18 (CONT)			AREA		.ON 15	
				PC	T FREQ OF	WIND	SPEED	(KTS)	AND	DIREC	CTION	VERSUS	SEA HEIG	HTS (FT			
HGT	1-3	4-10	11-21	S 22-33	34-47	48+	PCT			1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	.2	.9	.1	.0	.0	.0	1.2			.2	.6			.0	.0	.9	
1-2	.1	1.6	.6	.0	.0	.0	2.3			.3	2.1			.0	.0	3.1	
3-4	.0	1.0	1.3	.3	.0	.0	2.6			.0	1.3			.0	.0	3.0	
5-6	.1	.1	1.0	.2	.0	.0	1.3			.0	.1			.0	.0	1.2	
7	.0	.0	.4	.2		.0	.6			.0	.0				.0		
8-9	.0	.0	.1	.1	.1	,0	.3			.0	.0				.0		
10-11	.0	.0	.0	.1	.0	.0	.1			.0	.0		.1	.0	.0	.1	
12	.0	.0	.0		.0	.0				.0	.0		.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
17-19	.0	.0	.0	.1	.0	.0	.1			.0	.0			.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	1		.0	.0			.0	.0		
23-25	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0		
33-40	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0		
41-48	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
61-70 71-86	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
87+	.0	.0	.0	.0	•0	.0	.0			.0	.0			.0	.0	.0	
TOT PCT	.4	3.7	3.4	1.0	.0	.0	8.5			.0	4.1			.0	.0		
	•	•••	,				0.5			.,	7.1				.0	7.0	
HGT	1-3	4-10	11-21	W	24.45								NW				TOTAL
				22-33	34-47	48+	PCT			1-3	4-10			34-47	48+	PCT	PCT
1-2	.1	1.2	.0	.0	.0	.0	4			.1	5			.0	.0	1:7	
3-4	.0	1.2	.5	.1	.0	.0	1.5			.1	1.1			.0	.0		
5-6	.0		.3	.0	.0	.0	.3			.0	• 2		1	.0	.0	.6	
7	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.1	
8-9	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
10-11	.0	.0	.1	.0	.0	.0	.1			.0	.0			.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0		
13-16	.0	.0	.0	.0	•0	.0	.0			.0	.0			.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0		.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
TOT PCT	.3	1.9	1.1	.1	.0	.0	3.3			.2	1.8	1.1	.1	.0	.0	3.2	94.5

	WIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	9.3	7.3	.7	.0	.0	.0	17.3	000
1-2	1.7	21.3	8.3	.0	.0	.0	31.3	
3-4	• 3	9.9	16.8	1.1	.0	.0	28.0	
5-6	•1	1.4	10,9	1.6	.0	.0	14.0	
7	•0	.2	3.5	2.1	.1	.0	5.8	
8-9	•0	.1	1.3	1.0	.1	.0	2.5	
10-11	•0	.1	.3	.5	.1	.0	.9	
12	•0	.0	.1	.1	.0	.0	.1	
13-16	•0	.0	.0	.0	.1	.0	.1	
17-19	•0	.0	.0	.1	.0	.0	.1	
20-22	•0	.0	.0	.0	.0	.0	.0	
23-25	•0	.0	.0	.0	.0	.0	.0	
26-32	•0	.0	.0	.0	.0	.0	.0	
33-40	•0	.0	.0	.0	.0	.0	.0	
41-48	•0	.0	.0	.0	.0	.0	.0	
49-60	•0	.0	.0	.0	.0	.0	.0	
61-70	•0	.0	.0	.0	.0	.0	.0	
71-86	•0	.0	.0	.0	.0	.0	.0	
87+	•0	.0	.0	.0	.0	.0	.0	
								1951
TOT PCT	11.3	40.3	41.7	6.3	.3	.0	100.0	

PERIOD: (OVER-ALL) 1949-1973 TABLE 19 PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS) MEAN HGT 3 5 6 6 8 9 PERIOD (SEC) <6 6-7 8-9 10-11 12-13 >13 INDET TOTAL PCT 2.2 11.2 11.7 .0 .8 4.4 .0 .5 2.3 .0 .6 .6 .0 .0 1.1 .0 * .0 6.3 5.6 5.6 200 444 609 8.5 18.8 25.8 5-6 6.5 5.5 2.7 1.1 .7 .5 4.8 512 21.7 8-9 10-11 .7 .4 1.2 .5 1.2 .9 .9 .5 .4 .1 .4 1.5 .3 142 81 6.0 3.4 87+ TOTAL

.0 842
.0 386
.0 260
.0 124
.0 78
.0 36
.0 36
.0 360
.0 100.0 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60 61-70 71-86 2.8 3.6 2.6 1.3 .4 2.5 315 13.3 .2 .2 .3 .1 .1 .1 .1 .28 .4 .5 .9 .5 .4 .4 .3 .81 .0.0.0.0.0.0 .0.0.0.0.0.0.0 .00.00000 .0.0.0.0.0 .1 .3 .2 .1 .1 .1 23 .0 .0 .0 .0 .1 .6 .3 .0.0.0.0.0.0 .00.00000 .0.0.0.000 .000000000

PERIOD: (PRIMARY) 1923-1973 (DVER-ALL) 1855-1973

TABLE I

AREA 0004 CANARY ISLANDS 28.0N 15.0W

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE		
N NE	.9	1.1	.5	:0	:0	.0	.0	2:4	1.6	.6	.9	.0	.4	.1	94.1
NE	. 6	.7	.4	.0		•0		1.7	.3	.1	.6	.0	.6	.0	96.7
E	.4	.8	.2	.0	.0	.0	.0	1.4	.4	1.0	1.8	.4	1.1	.0	94.0
SE	.0	.6	.3	.0	.0	.0	.0	1.0	.0	1.8	2.6	.0	1.5	.0	93.2
S	2.3	1.3	.4	.0	.0	.0	.0	4.0	3.1	1.5	1.1	.0	. 8	.0	90.5
SW	2.3	1.1	.9	.0	.0	.0	.1	4.4	3.3	.7	.7	.0	.2	.0	91.2
	.7	1.4	.2	.0	.0	.0	.2	2.3	.9	.9	.7	.0	.5	.0	94.7
NW	2.1	3.8	.7	.0	.0	.0	.0	6.5	1.7	.6	. 3	.0	.6	.0	90.3
VAR		.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.5	.0	.0	.0	.0	1.0	.5	.0	1.5	.0	.5	.0	96.5
TOT PCT TOT OBS:	3735	1.2	.5	.0	.0	.0	•	2.7	1.3	.6	.9		.6	•	93.9

TAD. E 4

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHENO	MENA	
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPH	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	ND SIG WEA
00203 00300	1.4	.8	.2	.0	.0	•0	.0	2.3	1.7	1.0	.8	.1	.8	.0	93.3
12615	1.7	1.0	.5	.0	.0	.0	.1	1.8	1.7	.0	.9	.0	.7	.0	94.9
TOT PCT	1.0	1.2	.5	.0	.0	•0		2.7	1.3	.7	.9	•	.6		93.9

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		WI	ND SPE	ED (KN	OTS)								HOUR	(GMT)			
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	FREQ	SPD	00	03	06	09	12	15	18	21
N NE	1:0	8.1	7.7	1:4	:1	.0		18.1	11.9	19.2	24.7	17.6	17.7	17.0	20.6	18.2	17.9
E	.8	5.2	2.9	.3		.0		9.3	9.7	8.9	3.5	8.9	12.6	9.9	9.7	7.7	10.6
SE	.7	2.4	1.1	.1	.0	.0		4.2	8.3	2.8	.3	3.8	3.7	5.7	3.9	4.9	4.5
S	.6	2.9	1.7	.2		.0		5.5	9.7	4.8	2.5	5.4	4.4	7.3	8.9	6.1	3.5
SW	. 8	5.1	3.2	.5	.1	.0		9.7	10.5	10.4	17.1	8.8	6.4	10.9	11.1	10.7	6.8
W	.5	4.5	2.7	.4		.0		8.1	10.4	8.1	12.7	8.5	5.9	7.2	14.7	9.2	6.7
NW	.6	4.2	2.5	.5		.0		7.9	10.4	7.2	12.3	8.8	8.7	7.1	4.4	7.7	8.6
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	4.2							4.2	.0	4.8	2.5	4.9	1.8	4.4	3.3	4.0	3.4
TOT OBS		2974	2421	428	30	0	6499		10.8	1339	79	1336	510	1290	90	1271	584
TOT PCT	9.9	45.8	37.3	6.6		.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

٠	A			-	

WND DIR	0-6	WIND 7-16	SPEED 17-27	(KNOTS) 28-40	41+	TOTAL	PCT	MEAN SPD	00	HDUR 06 09	(GMT 12 15	18 21	
N NE	5:3	9.2	1:3 8:4	:3	:		18.1	11.9	19.5	17.6	17.2	18.1	
E SE	3.1	4.9	1.1	.1			9.3	9.7	8.6	9.9	9.9	8.6	
SE	1.9	2.0	.3	.0	.0		4.2	8.3	2.7	3.8	5.6	4.8	
S	2.1	2.7	.6	.1	.0		5.5	9.7	4.7	5.1	7.4	5.3	
SW	3.0	5.2	1.2	.2			9.7	10.5	10.7	8.1	10.9	9.4	
W	2.3	4.6	1.1	.1	.0		8.1	10.4	8.4	7.8	7.7	8.4	
NW	2.4	4.2	1.1	.2	.0		7.9	10.4	7.5	8.7	6.9	8.0	
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	
CALM	4.2						4.2	.0	4.7	4.0	4.3	3.8	
TOT OBS	1855	3348	1177	114	5	6499		10.8	1418	1846	1380	1855	
TOT PCT	28.5	51.5	18.1	1.8	.1		100-0		100.0	100.0	100.0	100.0	

ECADIIA	

							FEBRUA	RY					
IMARY) 1923 ER-ALL) 1855	-197 -197						TABLE	4			AREA	0004	ISLANDS
			PER	CENTAGE	FREQUE	ENCY OF	WIND S	SPEED BY	HOUR	(GHT)			
н	DUR	CALM	1-3	4-10		SPEED 22-33			MEAN	PCT	TOTAL		
	£03	4.7	5.7	46.6	36.5	6.2	:	3 .0		100.0	1418 1846		
18	615	3.8	5.8	45.1	37.5	6.4		6 .0	10.9	100.0	1380 1855		
	CT	4.2	375 5.8	45.8	37.3	6.6			10.8	100.0	6499		

IABLE 5	
AL CLUUD AMOUNT	(EIGHTHS)

P	CT FRE	Q OF T	OTAL Y WIN	CLUUD A	MOUNT TION	MEAN			PERCEN	TAGE F	REQUEN	CY OF	CEILIN NH <5/	B BY	HTS (FT, NH	24/8) ON	
WND DIR	0-2	3-4	5-7	8 &	TOTAL OBS	CLOUD	000 149	150 299	300 599	999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	
N	7.7	5.2	4.3	1.1		3.2	.0	.0	.1	.3	1.2	1.5	.6	.4	.1	.1	14.1	
NE	11.7	6.0	5.9	1.5		3.0	.0	.0	.0	.4	1.5	1.6	1.0	.3	.1		20.1	
E	3.4	1.1	1.3	.6		2.8		.0	.0		.4	.3	.3	.1	.1	.1	5.0	
SE	1.3	. 8	1.2	.7		4.1	.0	.0	.0	.1	.1	.4	.1	.1	.0	.2	2.9	
S	2.1	1.6	2.5	. 8		4.1	.0	.0	.1	.2	.6	.8	.2	.1	.1	.1	4.7	
SW	4.1	2.1	5.3	2.0		4.3	.1	.0	.2	.7	1.2	1.7	.4	.1	.1	.2	8.9	
W	4.6	2.5	2.8			3.4	.0		.0	.4	.9	.6	.2	.1	.2	.1	8.1	
NW	3.5	3.1	2.1	. 5		3.3	.1	.0	.1	.2	.6	.5	.1	.1	.0	.1	7.4	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	3.2	1.2	1.2			2.6	.0	.0	.0	.1	.2	.4	.3		•	.0	4.8	
TOT OBS	1190	671	757	238	2856	3.4		1	12	67	194	225	92	39	23	26	2172	2856
TOT PCT	41.7	23.5	26.5		100.0	-	.2		.4	2.3	6.8	7.9	3.2	1.4	.8	.9	76.1	100.0

TABLE 7 CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

				VSBY (NH)			
CEILING	- OR	- OR	- DR	- OR	- DR	= OR	- OR	- DR
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
- DR >6500	1.5	1.8	1.8	1.8	1.8	1.8	1.8	1.8
■ DR >5000	2.5	3.0	3.1	3.1	3.1	3.1	3.1	3.1
■ DR >3500	5.2	6.3	6.3	6.3	6.3	6.3	6.3	6.3
■ DR >2000	11.1	13.8	14.1	14.1	14.1	14.1	14.1	14.1
■ DR >1000	16.6	20.3	20.8	20.8	20.8	20.8	20.8	20.8
. DR >600	18.3	22.6	23.1	23,1	23.1	23.1	23.1	23.1
■ DR >300	18.8	23.0	23.6	23.6	23.6	23.6	23.6	23.6
■ DR >150	18.8	23.1	23.6	23.6	23.6	23.6	23.6	23.6
. DR > 0	18.9	23.2	23.7	23.8	23.8	23.8	23.8	23.8
TOTAL	557	685	701	702	702	702	703	703

TOTAL NUMBER OF OBS: 2954 PCT FREQ NH <5/8: 76.2

TABLE 7A

PERCENTAGE FREQ OF LOW CLINOS (EIGHTHS)

0 1 2 3 4 5 6 7 8 OBSCD OBS 24.1 13.9 14.6 13.0 9.7 5.3 6.9 6.0 6.3 .1 3164

F	c	a	0	61	۸	v

PER100:	(PRIMARY)	1923-1973	
	(OVER-ALL)	1655-1973	

AREA 0004 CANARY ISLANDS 28.0N 15.0W

ALL!	822-1AL3						, A	BLE B					51
		,	PERCENT				CTION TH VAR						E OF
VSBY (NM)		N	NE	€	SF	5	SW		NW	VAR	CALM	PCT	TOTAL
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	NO PCP	.0	.0		.0		.1			.0	.0	.2	
	TOT %	.0	.0		.0		.1			.0	.0	.2	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	NO PCP	.1	.1		.1	.1	.0	:0	.0	.0	.0	.4	
	TOT %	.1	.1		. 1	:1	.0	.0	.0	.0	.0	.4	
	PCP	.0	.0	.0	.0		.0			.0	.0	.1	
1<2	NO PCP	.1	.1		.0	.0	.0	.0		.0	.0	.2	
	TOT \$.1	.1	•	.0		.0		.1	.0	.0	.3	
	PCP	.1	.0	.0	.0	.0	.0	.0		.0	.0	.1	
245	NO PCP	.2	.2	. 2	.0	.1	. 5	. 1		.0		1.1	
	TOT \$.2	.0	:2	.2	:1	.0	:1	• 1	.0		1.2	
	PCP	.2	.3		.0	.2	.3	.1	.4	.0	.0	1.5	
5<10	NO PCP	3.8	4.6	1.5	.9	1.6	2.1	1.1	1.1	.0	1.2	18.0	
	TOT \$	4.0	5.0	1.6	. 9	1.8	2.4	1.2	1.4	.0	1.2	19.5	
	PCP	.1	.1	4:9		5:0	9:0	8:4	7:2	.0	.1	1.0	
10+	NO PCP	14.2	20.6	4.9	3.0		9.9	8.4	7.2	.0	4.2	77.4	
	TOT \$	14.4	20.7	5.0	3.0	5.1	10.5	8.5	7.3	.0	4.2	78.4	
	TOT OBS												3727
	TOT PCT	18.8	26.1	6.8	4.1	7.1	12.3	9.9	8.9	.0	5.4	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

							VALUE	3 UF *	131016	• • •			
VSBY (NM)	SPD	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL
	0-3	.0	.0		.0	.0	*	.0	.0	.0	.0	*	
<1/2	4-10	.0			*		*			.0		.1	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0				*	*	*		.0	.0	.2	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	4-10			.0	.1		.0	.0	.0	.0		.2	
	11-21				.0	.0	.0	.0	.0	.0		.1	
	22+			.0	.0	.0	.0	.0	.0	.0		.1	
	TOT %	•1	.1		.1		.0	.0	.0	.0	.0	.3	
	0-3	.0			.0	.0	.0	.0	.0	.0	.0		
1<2	4-10			.0	.0	.0	.0		*	.0		.1	
	11-21				.0		.0		.0	.0		.1	
	22+	.0	.0		.0	.0	.0	.0	*	.0		*	
	TOT %	.1	.1		.0		.0		*	.0	.0	.3	
	0-3	.0		.0			.0	.0	.0	.0	*	.1	
2<5	4-10	.1	.1	.1	.1		.1	*	.0	.0		.5	
	11-21	.1	.1		.1	.1	.1	.1	.1	.0		.6	
	22+		.0		*			.0		.0		.2	
	TOT %	•2	.2	.2	.2	.1	.3	.1	.1	.0	*	1.4	
	0-3	.2	.1	.1	.1	.1	.1		.1	.0	.9	1.7	
5<10	4-10	1.5	1.9	. 8	.5	. 8	1.0	.5	.7	.0		7.6	
	11-21	1.5	2.3	.6	.2	.4	.7	.4	.4	.0		6.6	
	22+	.4	.7			.1	.1		.1	.0		1.5	
	TOT \$	3.6	5.0	1.5	. 6	1.5	1.9	1.0	1.2	.0	.9	17.5	
	0-3	.7	.8	.5	.6	.5	.7	.5	.6	.0	3.6	8.4	
10+	4-10	6.9	10.3	3.6	1.9	2.5	4.5	4.3	3.8	.0		37.9	
	11-21	6.4	11.9	1.9	.8	1.4	2.9	2.3	2.2	.0		29.8	
	22+	.9	2.2	.1		.2	.3	.3	.3	.0	100 100	4.3	
	TOT %	14.9	25.2	6.2	3.3	4.5	8.4	7.4	6.8	.0	3.6	80.4	
1	OT 085			1				-					5106
1	TOT PCT	18.9	30.6	8.0	4.3	6.2	10.6	8.6	8.2	.0	4.5	100.0	

								FEBRU	JARY						
D: (PRIMAR)	() 1923-1 L) 1855-1	973 973						TABLE	10			AR	EA 0004		SLANDS
				PER	CENT F	REQUEN	CY OF	CEILIN	NH <5/	HTS (F	EET, NH	>4/8) A	IND		
	HOUR (GMT)	000	150 299	300 599	600 999	1000	2000 3499	3500 4999	5000 6499	6500	8000÷	TOTAL	NH <5/8 ANY HGT	TOTAL	
	00603	.1	.0	.3	2.9	5.7	5.9	1.9	.8	.5	1.0	19.1	80.9	734	
	90300	.4	.1	.1	1.5	6.6	6.8	3.9	1.1	.6	1.1	22.2	77.8	725	
	12615	.0	.1	.1	2.1	6.7	7.4	3.9	1.8	.9	1.1	24.1	75.9	850	
	18821	.1	.0	1.1	2.3	6.5	9.7	2.9	1.3	1.0	.6	25.7	74.3	783	
	PCT	.2	.1	13	2.2	198	231 7.5	98 3.2	39 1.3	.8	29	707 22.9	2385 77.1	3092 100.0	

0 0

0 0

				TABLE 1	1						TABLE	12		
		PERCENT	FREQUEN	CY VSBY	(NM)	BY HOUR		CUMUL	ATIVE PC	FREQ	OF RAN	IGES OF NH >4/8	VSBY (NM)	AND/OR
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL	HOUR (GHT		<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL
00603	.3	.2	.2	1.5	14.8	83.1	1195	0300	3 .1	.4	5.0	16.2	78.8	685
90300	•2	.3	.6	1.4	21.4	76.1	1449	0330	9 .4	.9	3.7	20.8	75.6	684
12615	.1	.4	.3	1.2	14.7	93.2	1223	1261	5 .0	.2	3.5	21.6	74.8	823
18621	.1	.4	.2	1.3	18.9	79.0	1420	1862	1 .1	1.3	4.3	22.0	73.6	762
PCT	.2	17	17	72 1.4	936	4236 80.1	5287 100.0	TOT PCT		21	121	599 20.3	2234 75.6	2954 100.0

					ABLE 1															
					ADLE 1	•									IABL	E 14				
	PERCI	ENT FR	EQUENC	Y OF R	ELATIV	E HUMI	DITY B	Y TEMP	TOTAL	PCT		PERC	ENT FR	EQUENC	Y OF N	IND DI	RECTIO	N BY T	EMP	
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	OBS	FREQ	N	NE	E	SE	S	SW	W	NW	VAR	CALM
80/84	.0	.0	.0		.0	.0	.0	.0	1		.0	.0	.0	.0		.0	.0	.0	.0	.0
75/79	.0	.0	.0			.1	.0	.0	4	.2		.0	.0	.0	.0	.1	.0		.0	.0
70/74	.0	.0		.5	.8	1.5	1.4	.3	119		.6	.9	.4	.4	.5	.8	.5	.3	.0	.2
65/69	.0	.0	.2	2.1	6.7	14.8	15.0	8.3	1239		6.8	8.8	3.2	2.6	3.9	8.9	7.0	4.2	.0	1.8
60/64	.0	.0	.3	2.6	11.4	16.3	10.9	4.7	1214		11.0	16.8	3.2	1.2	2.2	2.2	2.9	4.7	.0	1.9
55/59	.0	.0	.0	.0	.3	.7	.5	.3	47		.7	.5	.1	.0	.0		.1	.4	.0	.0
TOTAL	0	0	16		508	876	730	355		100.0										
PCT	.0	.0	.6		19.4	33.4	27.8	13.5			19.1	27.1	6.9	4.3	6.6	12.1	10.4	9.6	.0	3.9
				TAB	F 15										TARI	E 14				

				TAB	LE 15									TABLE	16			
	MEANS,	EXTREM	ES AND	PERCEN	TILES	OF TE	AP (DE	G F) B	Y HOUR		PERC	ENT FRE	QUENCY	OF RELA	TIVE H	MIDITY	BY HOU	R
HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS	HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
00603	73 73	69	68	64	59	56 53	48	63.5	1452 1887	00803	.0	3.2	15.3	33.0	28.5	20.0	79 78	681
12615	84	76 73	71	66	61	55 57	50	66.2	1386	12615	.0	10.7	24.8	32.6	23.1	8.9	74	694
TOT	84	73	70	64	60	55	48	64.4	6586	TOT	0	161	529	921	774	377	77	2762

	0			v

PERIOD:	(PRIMARY)	1923-1973

T	۸	R	F	- 2	17

AREA 0004 CANARY ISLANDS 28.0N 15.0W

PC	T FREQ	OF A	IR TE								E (DEG F		T PRECIPITATION)
AIR-SEA	45	49 52	53 56	57	61	68	69 72	73 76	77 80	81 84	TOT	FOG	FOG	
20/22	.0	.0	.0	.0	.0	.0	.0	.0	.0		1	.0		

THP DIF	48	52	56	60	64	68	72	76	80	84	101		FOG
THP DIF	48	52	56	60	04	68	72	76	80	84		FOG	FOG
20/22	.0	.0	.0	.0	.0	.0	.0	.0	.0		1	.0	
17/19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	1 2 5 12	.0	.1
14/16	.0	.0	.0	.0	.0	.0	.0	.0	:1	.0	5	.0	.1
11/13	.0	.0	.0	.0	.0	.0	.0	.2	. 1	.0	12	.0	.3
9/10	.0	.0	.0	.0	.0	.1	.1	.3	.1	.0	24		.6
7/8	.0	.0	.0	.0	.1	.1	.6	.3	.0	.0	38	:	.1 .3 .6 1.0
5	.0	.0	.0	.0	.1	.2	.6	.1	.0	.0	31		.8
5	.0	.0	.0	.0	.1	.9	. 8	.1	.0	.0	70	.0	2.0
4	.0	.0	.0	.0	.2	1.1	1.3	.1	.0	.0	101	.1	2.8
3	.0	.0	.0	.0	. 3	2.2	1.4		.0	.0	139	.0	3.9
2	.0	.0	.0		.9	4.7	1.8	.0	.0	.0	265	.2	7.2
1	.0	.0	.0	.0	2.4	7.8	1.4	.0	.0	.0	416	.1	11.5
0	.0	.0	.0	.1	5.9	10.3	.3	.0	.0	.0	596	.2	16.5
-1	.0	.0		.6	8.8	7.5	. 3	.0	.0	.0	619	.2	17.1
-2	.0	.0		.5	9.7	3.8	.1	.0	.0	.0	505	.1	14.0
-3	.0	.0	.0	.7	6.7	1.1		.0	.0	.0	304	.1	8.4
0 -1 -2 -3	.0	.0	.0	1.2	4.1	.4	.0	.0	.0	.0	206	.0	5.8
-5	.0	.0		.8	1.9	.2	.0	.0	.0	.0	108		3.0
-5 -6	.0	.0	.2	.4	.6	.2	.0	.0	.0	.0	47	.0	1.3
-7/-8	.0	.0	.4	:1	.3	.0	.0	.0	•0	.0	39	.0	1.1
-9/-10	.0	.2	.4	.1		.0	.0	.0	.0	.0	25	.0	.7
-11/-13		.3	.2	.1	.0	.0	.0	.0	.0	.0	19		1.1 .7 .5 .2 .1 3548
-14/-10		.1	.1	.0	.0	.0	.0	.0	.0	.0	. 8	.0	.2
-17/-19	3	.0	48	.0	.0	.0	.0	.0	.0	.0	2	.0	.1
TOTAL	3		48		1510		314		12			34	3548
		20		176		1454		1.2		.1	3582		
PCT	.1	.6	1.3	4.9	42.2	40.6	8.8	1.2	. 3	.1	100.0	.9	99.1

PERIOD: (DVER-ALL) 1963-1973

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N
-10 11-21 22-33 34-47 48+ PCT 1-3 4-10 11-21 22-33 34-47
1.6 .1 .0 .0 .0 2.4 .4 1.2 .1 .0 .0

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.7	1.6	.1	.0	.0	.0	2.4	.4	1.2	. 1	.0	.0	.0	1.6
1-2	.3	4.8	1.2	.0	.0	.0	6.2	.6	6.1	1.7	.0	.0	.0	8.3
3-4	.1	1.8	2.6	*	.0	.0	4.6	.1	2.2	3.6	.1	.0	.0	5.9
5-6	.0	.3	1.9	.3	.0	.0	2.6	.0	.5	2.8	.4	.0	.0	3.7
7	.0	.1	.5	.2	.1	.0	1.0	.0	.1	1.3	.7	.0	.0	2.0
8-9	.0	.0	.5	.4	.0	.0	.8	.0	.1	.4	.3	.0	.0	.8
10-11	.0	.1	.2	.1	.0	.0	.4	.0	.0	.1	.4	.0	.0	.5
12	.0	.0	.0	.0	.1	.0	.1	.0	.0	.1	.1	.0	.0	.1
13-16	.0	.0	.1	.0	.1	.0	.1	.0	.0	.1	.0	.0	.0	.1
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	18.1	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.1	8.7	7.0	1.0	.2	.0	18.1	1.0	10.1	10.0	1.9	.0	.0	23.0
HGT	1-3	4-10	11-21	E 22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	7-10		.0	.0	.0	1.1	.4		.1	.0	.0	.0	1.1
1-2	.4	2.2	:1	.0	.0	.0	3.1	.0	1.3	.3	.0	.0	.0	1.6
3-4		.8	.5	.0	.0	.0	1.4		.5	.4	.0	.0	.0	.9
5-6	.0	.1	.5	.0	.0	.0		.0	.0	.2	.0	.0	.0	.2
7	.0	.1	.2	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	-0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	•0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	•0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	•0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.7	3.9	1.8	.0	.0	.0	6.4	.4	2.4	1.1	.0	.0	.0	3.9

								- 1	FEBRUARY							
PERIOD:	OVE	R-ALL)	1963-	1973				TABLE	18 (CON	T)			AREA			ISLANDS
				PC	T FREQ	OF WIND	SPEED	(KTS)	AND DIR	ECTION	VERSUS	SEA HEIG	SHTS (FT)		
				5								SW				
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3				34-47	48+	PCT	
<1 1-2	.3	. 8	:7	.0	.0	.0	1.2		.2				.0	.0	1.5	
3-4	.0	2.6	1.0	.0	.0	.0	1.7		.6				.0	.0	3.9	
5-6		.2	.6	.0	1.	.0							.1	.0	1.6	
7	.0	.0	.1	.1	.0	.0	.8		.0				.0	.0	.6	
8-9	.0	•	.0	.0	.0	.0			.0				.0	.0	.4	
10-11	.0	.0	.1	.1	.0	.0	.1		.0				.0	.0	.1	
12	.0	.0	.0	.0	.0	.0	.0		.0				.0	.0		
13-16	.0	.0	.0	.0	.0	.0	.0		.0				.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0		.0				.0	.0		
20-22	.0	.0	.0	.0	.0	.0	.0		.0				.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0		.0				.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0		.0				.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0		.0				.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0		.0	• (.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0		.0		.0	.0	.0	.0	.0	
TOT PCT	.6	4.2	2.6	-1	•1	.0	7.6		1.0	6.9	5.1	.4	•1	•0	13.4	
												NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.4	.9	.0	.0	.0	.0	1.4		.6	.9	.0	.0	.0	.0	1.5	
1-2		3.7	.9	.0	.0	.0	4.6		.4	2.7		.0	.0	.0	3.8	
3-4	.1	1.4	1.1	.0	.0	.0	2.5		.0	. 9		.1	.0	.0	1.9	
5-6	.1	.4	.7	.1	.0	.0	1.3		.0	• 3	. 8	.3	.0	.0	1.4	
7	.0	.1	.2	.0	.0	.0	.3		.0				.0	.0	.5	
8-9	.0	.0	.2		.0	.0	.2		.0				.0	.0	• 2	
10-11	.0	.0	.1	.1	.0	.0	.1		.0				•0	.0	.0	
12	.0	.0	.0		.0	.0			.0				.0	.0	.1	
13-16	.0	.0	.0	.0	.0	.0	.0		.0				.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0		.0				•0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0		.0				.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0		.0				.0	.0	.0	
26-32 33-40	.0	.0	.0	.0	.0	.0	.0		.0				.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0		.0				.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	:0		.0				.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	:0		.0				.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0		.0				.0	.0	.0	
TOT PCT	.6	6.5	3.3	.2	.0	.0	10.5		.9				.0	.0	9.3	92.1
										,			••		/.,	

	WIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	12.2	8.0	.5	.0	.0	.0	20.7	003
1-2	2.6	26.7	6.9	.0	.0	.0	36.2	
3-4		9.9	11.9	.2	.0	.0	22.4	
5-6	•6							
	•1	1.9	8.7	1.1	.1	.0	11.9	
7	•0	.5	3.0	1.1	.1	.0	4.7	
8-9	•0	. 1	1.5	.9	.0	.0	2.5	
10-11	.0	.1	.5	.6	.0	.0	1.2	
12	.0	.0	.1	.2	.1	.0	.3	
13-16	•0	.0	.1	.0	.1	.0	.2	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48		.0	.0	.0	.0	.0	.0	
49-60	•0							
	•0	.0	.0	.0	.0	.0	.0	
61-70	•0	.0	.0	.0	.0	.0	.0	
71-86	•0	.0	.0	.0	.0	.0	.0	
87+	•0	.0	.0	.0	.0	.0	.0	
								1947
TOT PCT	15.5	47.0	33.1	4.0	.3	-0	100.0	

PERIO): (OV	ER-ALL	194	9-197	3				TABLE	19											
					PERCENT	FRE	QUENCY D	F WA	VE HEI	GHT (F	T) VS	WAVE P	ERIOD	(SECON	DS)						
PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	HEAN
	2.7	10.2	9.8	5.6	2.4	1.2	.1	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	760	3
6-7	.0	1.1	4.2	6.1	3.3	1.4	.8	.3	.5	.0	.0	.0	.0		.0	.0	.0	.0	.0	421	6
8-9	.0	.6	1.6	2.2	2.7	1.3	1.3	.3	.5	.0	.0		.0		.0	.0	.0	.0	.0	250	7
10-11	.0	1.2	.6	1.1	1.5	1.0	.3	.3	.2	.1	.0	.0	.0		.0	.0	.0	.0	.0	150	6
12-13	.0	.0	1.1	1.0		.3	.1	.2	.2	.0	.1	.0	.0		.0	.0	.0	.0	.0	79	6
>13	.0	.0	.0	.3	.3	.4	.2	.2	.2			.0	.0	.0	.0	.0	.0	.0	.0	39	9
INDET	7.2	6.7	5.2	3.4		.8	1.1	.4	.4	.0	.0	.1	.0		.0	.0	.0	.0	.0	667	3
TOTAL	235	468	532	468		151	91	41	49	3	3	2	0	0	0	0	0	0	0	2366	4
PCT	9.9	19.8	22.5	19.8	13.7	6.4	3.8	1.7	2.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	100.0	

TABLE 1

AREA 0004 CANARY ISLANDS 28.0N 15.1W

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

			P	RECIPI	TATIO	TYPE					DTHER	WEATHER	PHENO	MENA	
WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	NO SIG WEA
N NE	:3	1.2	.1	.0	:0	.0	.0	1.6	.6	:3	1.2	.0	1.5	:0	95.7
-	.6	2.8	.0	.0	.0	.0	.0	3.4	.0	.6	4.8	.0	2.9	.5	87.8
SE	1.6	.8	.0	.0	.0	•0	.0	2.3	.0	4.7	4.7	.0	3.1	.0	85.2
S	.0	2.0	.0	.0	.0	.0	.0	2.0	2.0	.0	3.5	.0	1.0	.0	91.5
SW	.4	2.7	.0	.0	.0	.0	.0	3.1	2.0	1.0	.4	.0	.0	.0	93.4
*	1.2	2.5	.3	.0	.0	.0	.0	3.9	1.4	1.4	. 8	.0	.2	.0	92.3
NW	1.1	. 9	.9	.0	.0	.0	.0	2.7	3.5	1.5	.9	.0	1.0		90.6
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.8	. 8	.0	.0	.0	.0	.0	1.6	.0	.0	1.6	.8	.0	.0	96.1
TOT PCT	3943	1.1	.2	.0	.0	.0	.0	1.8	.9	.6	1.6	•	1.1	.1	94.0

TABLE 2

					P	ERCENT	FREQUE	NCY OF WE	ATHER OCCUR	RENCE	BY HOU	R			
			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	GTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	
00603 06609 12615 18621	.7 .6 .7 .4	1.2 2.1 .9	.2	.0	.0	.0	.0	2.0 2.9 1.8	1.0 .9 .7	1.7	1.4 1.6 1.0 2.3	.0 .0 .1	.8 .5 1.4 1.6	.1 .0 .1	94.1 92.4 94.6 94.5
TOT PCT TOT DBS:	4133	1.1	•2	.0	.0	•0	.0	1.9	.9	.7	1.6	٠	1.1		93.9

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		WIN	D SPE	ED (KN	ITSI								HOUR	(GMT)	,			
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	FREQ	SPO	00	03	06	09	12	15	18	21	
N NE	1.4	9.3	10.3	2.1	.2	.0		23.3	12.4	22.2	22.7	25.0	21.2	23.2	29.9	24.1	21.3	
E	.5	3.2	1.8	.4		.0		5.9	10.4	6.1	2.3	5.7	7.8	5.9	2.3	5.6	6.1	
SE	.3	1.1	.3		.0	.0		1.7	7.9	1.2	1.7	1.5	2.1	3.0	1.2	1.4	1.4	
S	.5	1.3	.7	.2		.0		2.6	9.4	2.2	.0	2.1	2.3	3.7	2.6	2.6	3.4	
SW	.7	2.8	1.7	.5	*	.0		5.8	10.6	5.3	2.7	5.2	5.2	6.6	1.6	6.4	6.4	
W	.6	4.0	2.6	.7	.1	.0		8.1	11.5	7.7	8.7	8.4	8.5	7.6	11.7	8.7	7.1	
NW	.6	4.8	3.6	.9		.0		10.1	11.5	9.9	18.7	10.2	8.6	9.4	11.7	10.2	11.3	
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	3.3							3.3	.0	4.1	2.7	4.0	3.2	2.9	2.8	2.2	3.0	
TOT OBS	746	3247	3186	784	55	0	8018		11.8	1554	75	1681	711	1510	107	1581	799	
TOT PCT	9.3	40.5	39.7	9.8	.7	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

_			_	

WND DIR	0-6	WIND 7-16	SPEED 17-27		41+	TOTAL DBS	PCT	MEAN SPD	00	06 09	12 15	18 21	
N NE	5.0	12.0	5.6	1.3	*		23.3	12.4	22.3	23.9	23.7	23.2	
E	1.9	2.9	1.0	.1	.0		5.9	10.4	5.9	6.3	5.7	5.8	
5 E	.9		.2	.0	.0		1.7	7.9	1.2	1.7	2.8	1.4	
5	1,3	.6	.4		.0		2.6	9.4	2.1	2.1	3.6	2.9	
SW	2.0	2.6	1.0	.1			5.8	10.6	5.2	5.2	6.3	6.4	
W	2.4	3.9	1.5	.1	*		8.1	11.5	7.8	8.4	7.9	8.2	
NW	2.6	5.3	1.9	.3			10.1	11.5	10.3	9.7	9.6	10.5	
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	
CALM	3,3						3.3	.0	4.1	3.8	2.9	2.5	
TOT OBS	2041	3933	1814	222	8	8018		11.8	1629	2392	1617	2380	
TOT PCT	25.5	49.1	22.6	2.8	.1		100.0		100.0	100.0	100.0	100.0	

HARCH

PERIOD: (PRIMARY) 1922-1973 (UVER-ALL) 1855-1973

8 8

TABLE 4

AREA 0004 CANARY ISLANDS 28.0N 15.1W

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10		SPEED (48+	MEAN	PCT	TOTAL
HUUK	CALH	1-3	4-10	11-21	22-33	34-47	***	MEAN	FREW	OBS
60300	4.1	6.0	41.6	39.4	8.6	.3	.0	11.5	100.0	1629
90300	3.8	6.0	40.6	39.0	9.9	.7	.0		100.0	2392
12615	2.9	6.1	40.1	40.5	9.7	.7	.0	11.9	100.0	1617
18621	2.5	6.1	39.9	40.1	10.5	.9	.0	12.1	100.0	2380
TOT	262	484	3247	3186	784	55	0	11.8		8018
DCT	2 2	4.0	40 .	20 7	0 0	7			100 0	

TABLE 5

TABLE 6

P	CT FRE			CLOUD A		(EIGHTHS)							CEILIN NH <5/					
WND DIR	0-2	3-4	5-7	8 & 085CD	TOTAL	CLOUD COVER	000 149	150 299	300 599	600	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	
N	10.2	6.2	8.2	1.7		3.6	.0		.1	.7	3.0	2.5	.9	.3		.2	18.5	
NE	15.7	7.8	10.4			3.5	.0	*	.1	1.1	4.0	3.1	1.7	.4	.2	.4	26.4	
E	2.1	.7	1.0	.3		3.0		.0	.0	.1	.3	.2	.1	.1		.2	3.0	
SE	.5	.3	.4	.1		3.5	.0	.0	.0		.1	*		.0	.0		1.1	
S	1.2	.3	.5	. 3		3.1	.0	.0	.0		.2	.1	.2	.0	.0	.0	1.8	
SW	2.7	1.5	.8	.4		2.8	.0	.0	.1	.1	.4	.3	.1		.0	.0	4.4	
×	4.1	2.4	2.1	.5		3.2	.0	.0	.1	. 4	.6	. 4	.1	.0	.0	.0	7.4	
NW	4.0	3.2	2.8	.9		3.6	.0	.0		. 2	1.0	1.0	.4	.1	.0	.1	8.1	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	1.8	.6	.9	.2		2.8		.0	.0	.1	.2	.2	.1	.1	.0		2.7	
TOT OBS	1341	729	859	247	3176	3.4	2	2	12	86	310	250	113	29	9	33	2330	3176

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

					VSBY (NM	1)			
C	EILING	- CR	= GR	- OR	- DR	- DR	- DR	- DR	- DR
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
- OR	>6500	1.2	1.4	1.4	1.4	1.4	1.4	1.4	1.4
. OR	>5000	1.9	2.3	2.3	2.3	2.3	2.3	2.3	2.3
	>3500	4.6	5.8	5.9	5.9	5.9	5.9	5.9	5.9
. DR	>2000	10.5	13.3	13.6	13.6	13.6	13.6	13.6	13.6
. DR	>1000	19.0	22.7	23.1	23.1	23.1	23.1	23.1	23.1
. OR	>600	21.1	25.3	25.7	25.8	25.8	25.8	25.8	25.8
. DR	>300	21.4	25.6	26.1	26.1	26.1	26.1	26.1	26.1
. DR	>150	21.4	25.6	26.1	26.2	26.2	26.2	26.2	26.2
	> 0	21.4	25.6	26.2	26.3	26.3	26.3	26.3	26.3
	TOTAL	704	842	860	862	862	862	862	862

TOTAL NUMBER OF OBS: 3283 PCT FREQ NH <5/8: 73.7

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 0BSCD 0BS 20.4 15.8 15.4 13.0 8.6 6.9 6.8 7.1 6.1 .1 3510

PERIOD:	(PRIMARY)	1922-1973
	(DVER-ALL)	1855-1972

TABLE 8

AREA 0004 CANARY ISLANDS 28.0N 15.1W

		F	ERCENT	PREC	DF WIN	D DIRE	TH VAR	VS DCC	ALUES I	E OR N	IBILI	CURRENC	E OF
(SBY		N	NE	ε	SE	s	SW	*	NW	VAR	CALM	PCT	TOTAL
	PCP	.0	.0	.0	.0	.0	.0	.0		.0	.0		
11/2	NO PCP	.0		.0	.0	.0	.0	.0	.0	.0	.0		
	TOT %	.0		.0	.0	.0	.0	.0	•	.0	.0	.1	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1		.1	.3	.1	. 1		*	.0	.1	.0	.0	.7	
	101 %	. 1	.3	. 1	.1		*	.0	.1	.0	.0	.7	
	PCP	.0		.0	.0	.0	.0		.0	. 0	.0	.1	
<2	NO PCP	.0	.1	.0	.0		.0	.0	.0	.0	.0	.1	
	TOT \$.0	.1	.0	.0		.0		.0	.0	.0	.1	
	PEP	.0			.0	.0 .1 .1	.0	.0		.0	.0	.1	
<5	NO PCP	. 3	.4	. 1	. 1	. 1	.0	.0	.1	.0	. 1	1.0	
	TOT &	.3	.4	:2	• 1	. 1	.0		.1	.0	•1	1.1	
	PCP	. 2	.1	.1		.1	.1	.2	.1	.0		.9	
K10	NO PCP	3.6	6.3	.7	.5	.6	1.2	1.6	2.1	.0	.4	16.9	
	101 \$	3.8	6.4	:7	.5	.6	1.3	1.8	2.2	.0	.4	17.8	
	PCP	21.5	29.5	3:0		1:8	.1	7:2	.2	.0		.7	
0+	NO PCP	21.5		3.0	1.0	1.8	4.3	7.2	8.4	.0	2.8	79.4	
	TOT %	21.7	29.6	3.0	1.0	1.8	4.3	7.3	8.5	.0	2.8	80.2	
	TOT DBS												3926
	TOT PCT	25.9	36.8	4.1	1.6	2.5	5.6	9.2	10.9	.0	3.3	100.0	

TABLE 9

VSBY	SPD	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL
(NM)	KTS												OBS
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
(1/2	4-10	.0		.0	.0	.0	.0	.0	*	.0		*	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0		.0	.0	.0	.0	.0	*	.0	.0		
	0-3	*			.0	.0	.0	.0	.0	.0	.0	.1	
1/2<1	4-10	*	.0	*	.1	*	.0	.0	*	.0		.1	
	11-21	.0	.1	. 1	.0	.0	*	.0	*	.0		. 2	
	22+	*	.1	.0	.0	.0	.0	.0	.0	.0		.1	
	TOT %	.1	. 2	. 1	•1	*	*	.0	.1	.0	.0	.5	
	0-3	.0	.0	.0	.0	.0		.0	.0	.0	.0		
1<2	4-10	*		.0	.0	*	.0		*	.0		.1	
	11-21	.0	.0	.0	.0	.0	*	.0	.0	.0			
	22+	.0	*	.0	.0	.0	*	.0	.0	.0			
	TOT *	*	.1	.0	.0	*	.1	*	*	.0	.0	. 2	
	0-3	.0	.0	.0	.0	.0	*	.0	.0	.0	.1	.2	
2<5	4-10	.2	.3	.1	.0	.0	*	*	*	.0		.6	
	11-21	.1	.2	.1	*	*	*	*	.1	.0		.5	
	22+		.1		.0	.1	*	.0		.0		. 2	
	TOT %	.3	.5	.1		.1	.1	. 1	.1	.0	.1	1.5	
	0-3	.1	.2	.1	.1	.1	.1	.2	.1	.0	.4	1.4	
5<10	4-10	1.1	1.7	.3	. 2	.2	.6	.7	.9	.0		5.7	
	11-21	1.8	3.2	.4	.1	. 2	.4	.6	.7	.0		7.3	
	22+	.4	.9	.1	*	*	.1	.2	.2	.0		1.9	
	TOT %	3.3	6.0	.8	.4	.5	1.2	1.6	1.9	.0	.4	16.2	
	0-3	1.2	1.3	.5	.1	.3	.5	.4	.4	.0	2.8	7.5	
10+	4-10	8.5	11.6	2.4	.7	.8	2.2	3.5	4.2	.0		34.0	
	11-21	9.5	14.8	. 8	.2	.6	1.1	2.4	3.2	.0		32.6	
	224	1.9	3.5	. 2		.1	.4	.6	. 8	.0		7.5	
	TOT *	21.1	31.1	3.9	1.1	1.9	4.3	7.0	8.5	.0	2.8	81.6	
7	OT DBS												5607
	OT PCT	24.8	37.9	4.9	1.6	2.5	5.6	8.7	10.6	.0	3.3	100.0	2001

MARCH

PERIOD: (PRIMARY) 1922-1973 (OVER-ALL) 1855-1973

TABLE 10

AREA 0004 CANARY ISLANDS 28.00 15.1W

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000	150 299	300 599	600	1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL
00603	.1	.1	.3	2.7	7.4	6.6	2.6	1.2	.5	.5	22.0	78.0	774
90360	.0	.0	.7	3.6	12.8	7.4	3.9	.7	.1	1.1	30.4	69.6	812
12615	.1	.1	.2	2.2	9.1	8.3	4.1	.7	.1	1.4	26.4	73.6	951
18821	.0	.0	.2	1.9	7.5	7.2	2.9	.8	.4	1.2	22.1	77.9	895
PCT	.1	.1	12	88	315	254	117	29	10	37	866 25.2	2566 74.8	3432

TABLE 11

TABLE 12

		PERCENT	FREQUEN	CY VSBY	(NM)	BY HOUR		CUMULAT	IVE PCT	FREQ G HGT	OF RAN	GES OF NH >4/8	VSBY (NM)	AND/OR
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL
60300	.2	.5	.2	1.9	15.4	81.8	1231	00603	.1	.7	4.5	19.3	76.2	730
90360	.0	.7	.2	.8	19.5	78.9	1609	90360	.0	.8	5.6	27.5	66.9	765
12615	.0	• 2	.1	1.2	14.8	A3.6	1362	12615	.1	.4	3.8	24.2	72.0	919
18621	.0	.7	.3	1.9	15.8	81.3	1597	18821	.0	.2	3.9	19.8	76.3	869
TOT	2	31 .5	11	85 1.5	956	4714 81.3	5799 100.0	TOT	.1	17	145	745	2393	3283

TABLE 13

	PERC	ENT FR	EQUENC	OF R	ELATIV	E HUMI	DITY B	Y TEMP		
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	DBS	FREQ
75/79	.0	.0	.1	.1	.1	.0	.1	.0	11	.4
70/74	.0	.0	.0	.3	1.1	2.2	1.1	.3	150	5.0
65/69	.0	.0	.1	1.8	8.2	15.7	14.7	5.1	1356	45.6
60/64	.0	.0	.1	3.7	11.2	16.5	11.5	4.9	1423	47.8
55/59	.0	.0	.0	.1	.2	.4	.3	.1	32	1.1
50/54	.0	.0	.0	.0	.0			.0	2	.1
TOTAL	0	0	7	174	618	1035	828	312	2974	100.0
PCT	- 0	.0	. 2	5.9	20.8	34.8	27.8	10.5		-

TABLE 14

	PERCEN	T FRI	EQUENCY	OF W	IND DIE	RECTIO	N BY TI	EMP	
N	NE	Ε	SE	s	SW	W	NW	VAR	CALM
.1	.1	.0	.0	.0		.1		.0	.0
1.0	1.5	.4	.2	.3	.4	.8	.4	.0	.1
10.1	15.4	1.7	.9	1.3	3.3	5.6	5.5	.0	1.7
14.2	20.4	1.8	.4	.7	1.3	2.9	5.1	.0	.9
.5	.1	*	.0	.0	.1	.1	.2	.0	.1
*	.0	.0	.0	.0	.0	*	.0	.0	.0
25.9	37.6	4.0	1.5	2.3	5.2	9.5	11.3	.0	2.8

TABLE 15

 HEANS, EXTREMES
 AND
 PERCENTILES
 OF
 TEMP
 (DEG F)
 BY
 HOUR

 HQUR (GHT)
 MAX
 99%
 95%
 50%
 5%
 1%
 MIN
 MEAN
 TOTAL DBS

 006.03
 72
 69
 67
 63
 60
 58
 52
 63.5
 1672

 066.09
 76
 70
 68
 63
 39
 56
 50
 63.5
 2397

 126.15
 81
 75
 72
 66
 62
 57
 50
 66.5
 1611

 186.21
 81
 74
 71
 65
 61
 59
 50
 65.5
 2369

 101
 81
 73
 70
 64
 60
 57
 50
 64.6
 8049

TABLE 16

	PERC	ENI FRE	MOENC	UF KELA	ITAE HO	PHIDITY	BI HUUK	
HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
60300 90300	.0	3.6	17.2	34.2	32.2	12.9	78 78	723
12615	.0	9.6	28.4	35.0	20.8	6.1	73	802
18621	.0	6.6	21.2	36.1	26.3	9.8	75	787
TOT	0	184	648	1083	870	335	76	3120

MARCH

PERIOD: (PRIMARY) 1922-1973 (OVER-ALL) 1855-1973

TABLE 17

AREA 0004 CANARY ISLANDS 28.0N 15.1W

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FDG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

IR-SEA	49 52	53 56	57	61	65	69 72	73 76	77 80	TOT	FOG	FOG	
17/19	.0	.0	.0	.0	.0	.0		.0	1	.0		
11/13	.0	.0	.0	.0			.1		5	.0	.1	
9/10	.0	.0	.0	.1		.2	.2	.0	19	.0	.5	
7/8	.0	.0	.0	.1	.2	.6	.4	*	47		1.2	
6	.0	.0	.0		. 2	.3	.1	.0	22		.6	
	.0	.0	.0	.1	.6	. 8	.2	.0	63		1.6	
4	.0	.0	.0	.2	1.3	1.3	. 1	.0	109	.1	2.8	
5 4 3 2 1	.0	.0	.0	.4	1.9	1.5	.1	.0	145	. 1	3.8	
2	.0	.0	.0	1.2	4.2	1.5	.0	.0	259	.1	6.8	
1	.0	.0	.0	1.7	6.4	1.2	.1	.0	353	.2	9.2	
0	.0	.0	.1	5.5	9.5	1.1	.1	.0	615	.3	16.0	
-1	.0	.0	.1	10.0	7.5	.6	. 1	.0	688	.3	18.0	
-2	.0	.0	.3	10.3	4.4	.3	.0	.0	575	.2	15.0	
-3	.0	.0	.6	6.5	2.2	.1	.0	.0	357	.1	9.4	
-4	.0		.9	3.9	.9	*	.0	.0	215	.1	5.6	
-5	.0	.0	.9	2.4	.5	*	.0	.0	144	.1	3.8	
-6	.0		.4	.9	.2	.0	.0	.0	58	*	1.5	
-7/-8	.0	.2	.3	.6	.1	.0	.0	.0	45	.1	1.1	
-9/-10	.0	.3	.1	.2	.1	.0	.0	.0	25		.6	
-11/-13	.2	.2	.1	.1	.0	.0	.0	.0	20	.0	.5	
-14/-16	.1	.0	.0	.1	.0	.0	.0	.0	4	.0	.1	
17/-19	.1	.0	.0	.0	.0	.0	.0	.0	2	.0	.1	
TOTAL	12		138		1513		51			64	3707	
	-	29		1672		354		2	3771			
PCT	.3	.8	3.7	44.3	40.1	9.4	1.4	.1	100.0	1.7	98.3	

PERIOD: (OVER-ALL) 1963-1973

TABLE 18

				PC	T FRED D	F WIND	SPEED	(KTS)	AND DIREC	TION V	ERSUS S	EA HEIG	HTS (FT)		
				N								NE			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.5	1.4	.2	.0	.0	.0	2.1		.6	1.8	.2	.0	.0	.0	2.5
1-2	.4	4.4	2.6	.0	.0	.0	7.4		.2	6.0	3.5	.0	.0	.0	9.7
3-4	.0	2.0	6.4	.4	.0	.0	8.8		.0	3.5	8.2	.4	.0	.0	12.1
5-6	.0	.7	3.8	.6	.0	.0	5.1		.0	.8	5.0	1.6	.0	.0	7.4
7	.0	.2	1.3	.8	.0	.0	2.2		*	• 2	2.4	1.3	.0	.0	4.0
8-9	.0	.0	.5	.2	.0	.0	.7		.0	.1	1.0	.4		.0	1.4
10-11	.0	.0	.2	.4	.0	.0	.6		.0	.0	.2	.4		.0	.6
12	.0	.0	.3		.0	.0	.3		.0	.0		.1	.0	.0	.2
13-16	.0	.0	.0	.0		.0			.0	.0		.1	.1	.0	.2
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	•0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
TOT PCT	.9	8.7	15.3	2.3		.0	27.2		.8	12.3	20.4	4.4	•2	.0	38.2
				E								22-33			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21		34-47	48+	PCT
<1		.3	.0	.0	.0	.0	. 3		.2	.2		.0	.0	.0	.4
1-2	.2	1.3	.5	.0	.0	.0	5.0		.0	.5	.1	.0	.0	.0	.6
3-4	.0	.7	.4	.0	.0	.0	1.1		.0	.1	.0	.0	.0	.0	.1
5-6	.0	.2	.2	.2	.0	.0	.6		.0	.0	.2	•0	•0	.0	.2
7	.0	.0	.1		.0	.0	.1		.0	.0	.1		.0	.0	.1
8-9	.0		.1	.0	.0	.0	.1		.0	.0	.0	*	.0	.0	*
10-11	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	•0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	•0	.0	.0		.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	•0	•0	.0	.0
20-22	.0	.0	.0	.0	•0	.0	.0		.0	•0	.0	•0	.0	.0	.0
23-25	.0	.0	.0	.0	•0	.0	.0		.0	.0	.0	•0		.0	•0
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0		.0	•0	.0	•0	•0	.0	•0
41-48	.0	.0	.0	.0	.0	.0	.0		.0	•0	.0	•0		.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	•0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0		•0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	•0	.0	.0	.0
87+	.0	.0	0	.0	.0	.0	4.2		.0	.7	.0	•0	.0	.0	1.3
TOT PCT	•2	2.5	1.3	.2	.0	.0	4.2		• 2	.7	.4		.0	.0	1.3

	-								MA	RCH							
PERIOD:	(OVE	R-ALL)	1963-1	1973				TABLE	18	(CONT)				AREA		CANARY ON 15	ISLANDS
				PC	T FREO DI	WIND	SPEED	(KTS)	AND	DIREC	TION	VERSUS	SEA HEIGH	HTS (FT			
				5									SW				
HGT <1	1-3	4-10	11-21	22-33	34-47	48+	PCT			1-3	4-10			34-47	48+	PCT	
1-2	.2	.4	.0	.0	.0	.0	.6			.4	3		.0	.0	.0	.7	
3-4	.0	.1	.2	.0	.0	.0	.6			.0	1.1			.0	.0	1.5	
5-6	.0	*	.1	.0	.0	.0	.2			.0	.1			.0	.0	.6	
7	.0	.0	.0	.1	.0	.0	.1			.0	.0			.0	.0	.2	
8-9	.0	.0	.0	.1	.0	.0	:1			.0				.0	.0	.2	
10-11	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.1	
12	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.1	
13-16	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0		
17-19	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0			.0	• 0			.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	•0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	•0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
TOT PCT	• 2	.8	.6	.3	•0	.0	2.0			.4	2.3	1.5	.6	.0	•0	4.7	
													NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT			1-3	4-10	11-21		34-47	48+	PCT	TOTAL
<1	.4	1.1		.0	.0	.0	1.5			.2	. 9			.0	.0	1.1	
1-2	.1	2.0	.6	.0	.0	.0	2.7			.1	2.5			.0	.0	3.7	
3-4	.0	.9	1.4	.2	.0	.0	2.4			.0	1.3	1.1	.1	.0	.0	2.5	
5-6	.0	.3	.6	• 2	*	.0	1.2			.0	• 2	1.0		.0	.0	1.4	
7	.0	.0	.2	-1	.0	.0	.4			.0	• 1			.0	.0	.7	
8-9	.0	.0	.1		.0	.0	.2			.0	*			.0	.0	.6	
10-11	.0	.0	*		.0	.0	.1			.0				.0	.0	.2	
12	.0	.0	.0		•0	.0				.0	• 0			.0	.0	.1	
13-16	.0	.0	.0	.0	•0	.0	.0			.0	• 0			.0	.0		
17-19	.0	.0	.0	.0	.0	.0	.0			.0	• 0			.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0			.0	• 0			.0	.0	.0	
23-25	.0	.0	.0	.0	•0	.0	.0			•0	•0			.0	.0	.0	
26-32 33-40	.0	.0	.0	.0	.0	.0	.0			.0	•0			.0	.0	.0	
	.0	.0	.0	.0	•0	.0	.0			.0	•0			.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
TOT PCT	.5	4.3	3.0	.6	• •	.0	8.5			.3	5.0			.0	.0	10.4	96.5
	.,	4.5	3.0	.0		.0	0.5			• •	3.0	4.4	.0		.0	10.4	,0.5

0

0

	MIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	6.9	6.5	.6	.0	.0	.0	13.9	ubs
1-2	1.2	17.9	8.9	.0	.0	.0	28.0	
3-4	•0	9.0	17.9	1.2		.0	28.2	
5-6	•0	2.3	11.1	2.9		.0	16.3	
7		.5	4.5	2.7	.0	.0	7.7	
8-9	.0	.1	2.2	.9		.0	3.3	
10-11	.0		.5	1.0		.0	1.5	
12	•0	.0	.5	.2	.0	.0	.7	
13-16	.0	.0		.2	.1	.0	.3	
17-19	•0	.0	.0	.0	.0	.0	.0	
20-22	•0	.0	.0	.0	.0	.0	.0	
23-25	•0	.0	.0	.0	.0	.0	.0	
26-32	•0	.0	.0	.0	.0	.0	.0	
33-40	•0	.0	.0	.0	.0	.0	.0	
41-48	•0	.0	.0	.0	.0	.0	.0	
49-60	•0	.0	.0	.0	.0	.0	.0	
61-70	•0	.0	.0	.0	.0	.0	.0	
71-86	•0	.0	.0	.0	.0	:0	.0	
87+		.0	.0	.0	.0	.0	.0	
01+	•0	.0	.0	.0	.0	.0	.0	2166
TOT PCT	8.2	36.3	46.2	9.1	.2	^	100.0	2100
10. 101	9.2	20.2	70.2	7.1		. 0	100.0	

PERIOD: (OVER-ALL) 1949-1973 TABLE 19 PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS) 8-9 10-11 .8 .5 2.2 1.5 2.3 1.4 1.0 .7 .5 .5 .3 .2 1.4 .6 227 140 8.5 5.3 PERIOD (SEC) <6 6-7 8-9 10-11 12-13 >13 INDET TOTAL PCT 87+ TDTAL .0 862 .0 545 .0 355 .0 166 .0 97 .0 38 .0 38 .0 2658 .0 100.0 5-6 5.9 7.1 3.2 1.3 .7 .5 4.0 601 22.6 1.7 .0 .0 .0 .0 .0 4.3 160 6.0 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60 61-70 71-86 1-2 9.4 1.1 .4 .5 .0 .0 4.0 407 15.3 3-4 10.9 4.1 2.2 .7 1.0 .0 4.9 634 23.9 2.9 3.2 3.0 1.4 .7 .3 2.9 383 14.4 * .5 .4 .3 .1 * .1 38 1.4 .3 .5 .5 .4 .2 .1 .1 .5 .3 2.0 .0000000 .0 .0 .00.00.000 .00.0000000 .0 .1 .12 .5 .0 .0000000000 .0

TABLE 1

AREA 0004 CANARY ISLANDS 28.0N 15.1W

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

					-		-								
			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	FR?N PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE		NO SIG WEA
N NE	:1	:6	:3	.0	:0	•0	.0	:9	:6	.2	1.2	.0	1.1		96.1
E	1.9	.5	.0	.0	.0	.0	.0	2.3	.0	.9	1.9	.0	1.9	.0	93.0
SES	1.6	.0	1.2	.0	.0	.0	.0	3.6	1.6	.0	12.5	.0	2.5		89.9
SW	3.4	2.8	.3	.0	.0	.0	.0	6.5	.0	1.1	.0	.0	.0	.0	93.5
NW	1.6	2.4	1.3	.0	.0	.0	.0	4.5	2.8	.0	.6	.0	.0		93.6
CALM	.0	•0	.0	.0	.0	.0	.0	.0	•0	.0	.0	.0	.0	.0	97.6
	.0	•0	.0	.0		•0	.0	•0	.0	.0	2.4	•0	.0	.0	91.6
TOT PCT	3829	.7	.4	.0	.0	.0	.0	1.5	. 8	.2	1.4	.0	1.1	.1	94.9

TABLE 2
PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			P	RECIPI	TATIO	N TYPE					DTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR L TNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	
60300 60360	:6	1.1	.2	.0	.0	.0	.0	1.6	1.0	.6	1.6	.0	1.2	.0	95.3 93.2
12615 18621	.6	.7	:4	.0-	.0	•0	.0	1.0	.1	.0	1.8	•0	1.4	.2	96.2
TOT PCT TOT OBS:	3948	.7	.4	.0	.0	•0	.0	1.6	. 8	.2	1.3	•0	1.1	.1	95.0

TABLE 3
PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		WI	ND SPE	ED (KN	DTS)								HOUR	(GHT)				
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	FREQ	MEAN SPO	00	03	06	09	12	15	18	21	
N NE	1.1	13.0	15.2	3.0		.0		32.4	12.7	33.3	39.9	33.2	27.5		32.7	34.7	27.4	
E	.4	2.2	1.4	.3		.0		4.3	10.6	4.1	2.1	3.6		4.7	2.7	3.6		
SE	.2	.4	.1		.0	.0		. 8	5.8	.8	.0	.6	1.1	.8	.5	.7	.9	
S	.3	.8	.4	.1	.0	.0		1.5	9.1	1.2	.0	1.1	1.7	2.3	3.5	1.7	1.0	
SW	.3	1.4	1.0	. 3		.0		3.0	11.2	3.1	2.4	2.1	3.2	3.3	3.0	3.6	2.6	
W	.5	2.6	1.9	.4		.0		5.4	10.9	5.8	1.8	4.9	5.4	5.0	3.7	5.2	6.9	
NW	.5	4.7	3.2	.7		.0		9.2	11.3	8.4	8.8	9.2	10.1	8.7	5.9	9.0	11.4	
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	2.2							2.2	.0	2.6	2.4	2.5	2.0	2.2	.0	1.7	2.0	
TOT DBS	494	2915	3492	789	40	0	7730		12.6	1529	82	1561	702	1472	101	1502	781	
TOT PCT	6 4	37.7	45.2	10.2				100 0		100 0	100 0	100 0	100 0	100 0	100 0	100 0	100 0	

TABLE 3A

		WIND	SPEED	(KNOTS)						HOUR	CONT	,	
WND DIR	0-6	7-16	17-27		41+	TOTAL	PCT	MEAN	00	06	12	18	
						085	FREQ	SPD	03	09	15	21	
N	5,2	18.5	8.0	.7	.0		32.4	12.7	33.6	31.5	32.7	32.2	
NE	4.9	21.2	13.5	1.7			41.4	14.2	40.8	43.0	41.0	40.6	
E	1.3	2.2	.7	.1	.0		4.3	10.6	4.0	4.2	4.5	4.3	
SE	.6	.2			.0		. 8	5.8	.7	. 8	.7	. 8	
S	.7	.6	.2		.0		1.5	9.1	1.2	1.3	2.4	1.5	
SW	.9	1.4	.6	.1			3.0	11.2	3.1	2.4	3.3	3.3	
W	1.6	2.6	1.0	.1	.0		5.4	10.9	5.6	5.0	4.9	5.8	
NW	2.3	5.1	1.6	.2	.0		9.2	11.3	8.4	9.5	8.5	9.8	
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	
CALM	2.2						2.2	.0	2.5	2.3	2.0	1.8	
TOT OBS	1514	4000	1986	227	3	7730		12.6	1611	2263	1573	2283	
TOT PCT	19 6	81.7	28 7	2.0			100.0					100 0	

APRIL

PERIOD: (PRIMARY) 1922-1973 (OVER-ALL) 1854-1973

TABLE 4

AREA 0004 CANARY ISLANDS 28.0N 15.1W

FRCENTAGE	EDECHENCY	DE	WIND	SPEED	RY	HILLIP	COMT

				WIND	SPEED (KNOTS)			PCT	TOTAL
HOUR	CALM	1-3	4-10		22-33	34-47	48+	MEAN	FREQ	OBS
00603	2.5	3.9	37.9	44.7	10.5	.5	.0	12.6	100.0	1611
90300	2.3	4.1	38.2	44.8	10.1	.5	.0	12.4	100.0	2263
12615	2.0	4.7	36.5	45.5	10.6	. 8	.0	12.8	100.0	1573
18621	1.8	4.2	38.0	45.7	9.9	.4	.0	12.6	100.0	2283
TOT	167	327	2915	3492	789	40	0	12.6		7730
PCT	2.2	4.2	37.7	45.2	10.2	.5	.0		100.0	

TARLE

	(ADLE)											"	ADLE O					
	PCT FRE	Q OF 1	OTAL O	CLOUD A	TION	(EIGHTHS)							CEILIN					
WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	CLOUD COVER	000 149	150 299	300 599	600 999	1000	2000 3499	3500 4999	5000 6499	6500 7999		NH <5/8 ANY HGT	
N NE	13.4	9.6	13.0	5.0		4.0	.1	:	.1	1.6	5.0	4.9	1.9	:4	.1	:4	26.6	
E	.6	.6	.7	.3		4.2	.0	.0	.0	.2	.2	.1	.1	.1	.0		1.5	
SE	.3					2.3	.0	.0	.0	.0	.0			.0	.0		.3	
S	.6	.6	.3	.1		3.5	.0	.0	.0		.1	.1	*	.0		.0	1.3	
SW	1.0	.6	.2	.2		3.0	.0	.0	.0		.2			.0	.0	.0	1.7	
W	1.9	1.0	.8	.3		2.9	.0	.0	.0	.1	.4	.1	.1		.0	*	3.2	
NM	3.0	2.0	2.2	.5		3.5	.0	.0	.0	.2	.9	.4	.3	*	.1		5.8	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	1.4	.3	.6	.2		2.9	.0	.0	.0		.3	.2	.1	*	.0		1.8	
TOT OBS		708	896	336	3082	3.8	3	2	5	104	366	299	135	30	8	24	2106	3082
TOT PCT	37.1	23.0	29.1	10.9	100-0		-1	- 1	. 2	3.4	11.9	9.7	4.4	1.0	. 3	. 8	68.3	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

				VSBY (NM	1)			
CEILING	= OR	. DR	- OR	- OR	■ TR	- OR	. DR	• DR
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
- OR >6500	.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0
■ DR >5000	1.5	1.9	2.0	2.0	2.0	2.0	2.0	2.0
■ DR >3500	5.1	6.2	6.3	6.3	6.3	6.3	6.3	6.3
- DR >2000	13.7	15.8	16.1	16.1	16.1	16.1	16.1	16.1
= UR >1000	24.1	27.3	27.7	27.8	27.8	27.8	27.8	27.8
■ DR >600	26.9	30.6	31.0	31.1	31.1	31.1	31.1	31.1
■ OR >300	27.0	30.7	31.2	31.2	31.3	31.3	31.3	31.3
■ DR >150	27.0	30.8	31.3	31.3	31.3	31.4	31.4	31.4
. DR > 0	27.1	30.8	31.3	31.4	31.4	31.4	31.4	31.5
TOTAL	850	968	984	985	986	987	987	988

TOTAL NUMBER OF OBS: 3141

PCT FREQ NH <5/8: 68.5

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 08SCD 08S 16.8 14-1 15.0 12.8 9.5 6.5 7.5 8.4 9.3 .1 3348

APRIL

PERIOD:	(PRIMARY)	1922-1973
	(UVER-ALL)	1854-1973

T	A	4	E	8

AREA 0004 CANARY ISLANDS 28.0N 15.1W

		,	PERCENT	PREC I	F WIN	D DIRE	TH VAR	VS DCC	URRENC	F VIS	IBILI	CURRENC	E OF
VSBY		N	NE	E	SE	5	SW		NW	VAR	CALM	PCT	TOTAL
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	OF FOR
<1/2	NO PCP			.0	.0	.0	.0	.0	.0	.0	.0	.1	
	TOT #			.0	.0	.0	.0	.0	.0	.0	.0	.1	
	PCP		.4	.0	.0	.0	.0		.0	.0	.0	.1 .7 .9	
1/2<1		.2	.4	.1	:1		.0	.0		.0	.0	.7	
	TOT %	.2	.4	:1	.1		.1			.0	.0	.9	
	PCP	.0	.0	.0	.0		.0	.0	.0	.0	.0		
<2	NO PCP	1	.2				.0	.0	.0	.0	.0	.4	
	TOT %	.1	.2			•	.0	.0	.0	.0	.0	.4	
	PCP	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	
<5	NO PCP	.4	.3	.0	.0		.0		.1	.0	:1	.8	
	TOT %	.4	.4	.0	.0		.0	•	-1	.0	.1	.9	
	PCP	.2	.2				.1	.1	.3	.0	.0	.9	
5<10	NO PCP	6.6	7.3	.6	.2	.2	.6	:7	1.7	.0	.3	18.3	
	TOT %	6.9	7.4	.6	.2	.3	.7	. 8	1.9	.0	.3	19.2	
	PCP	.1	.1	2:0	:0	1:3		.1	.1	.0	.0	.4	
10+	NO PCP	32.0	29.9		. 2	1.3	1.6	3.2	6.2	.0	1.8	78.1	
	TOT %	32.1	30.0	2.1	.2	1.3	1.6	3.3	6.3	•0	1.8	78.6	
	TOT OBS												3821
	TOT PCT	39.7	38.4	2.8	.5	1.6	2.3	4.2	8.3	.0	2.1	100.0	

TABLE 9

	PERCENT FRED OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY VALUE OF VISIBILITY VALUE OF VISIBILITY													
VSBY (NM)	SPD	N	NE	E	SE	s	SW	W	NW	VAR	CALM	PCT	TOTAL	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
<1/2	4-10			.0	.0	.0	.0	.0		.0		.1		
	11-21	.0		.0	.0	.0	.0	.0	.0	.0				
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0		
	TOT %		.1	.0	.0	.0	.0	.0		.0	.0	.1		
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0				
1/2<1	4-10	.1	.1	*	*		*		.0	.0		.3		
	11-21	.1	.2	*		.0	.0	.0		.0		.3		
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0		
	TOT \$	• 2	.3							.0		.6		
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
1<2	4-10		*	.0			.0	.0	*	.0		.1		
	11-21		.1	*	.0		.0	.0	.0	.0		.1		
	22+		.1	.0	.0	.0	.0	.0	.0	.0		.1		
	TOT %	.1	.1	•	*		.0	.0		.0	.0	.3		
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	*			
2<5	4-10	.2	.2	.0	.0	.0	.0	.0	*	.0		.4		
	11-21	.3	.3		.0		.0	*	.1	.0		.7		
	22+	.1	.1	.0	.0	.0	.0	.0	.0	.0		.2		
	TOT \$.5	.6	*	.0		.0		.1	.0	*	1.3		
	0-3	2	.1	.1				.1	:7	.0	.3	.9		
5<10	4-10	1.6	1.8	.4	.1	.1	.3	.4		.0		5.3		
	11-21	3.2	4.2	.2		.1	.2	.3	. 8	.0		9.0		
	22+	.7	1.2	.1	*		*	.1	.1	.0		2.3		
	TOT %	5.8	7.3	.8	.2	.2	.6	.8	1.6	.0	.3	17.5		
	0-3	.8	.6	.2	.1	. 2	.2	.4	.4	.0	1.9	4.8		
10+	4-10	12.0	9.4	1.6	.2	.7	.8	2.3	4.2	.0		31.2		
	11-21	13.8	16.7	. 8		.3	.8	1.4	2.7	.0		36.4		
	22+	2.8	3.9	.1	.0	.1	.2	.2	.6	.0		7.8		
	TOT %	29.4	30.5	2.7	.4	1.2	1.9	4.3	7.9	.0	1.9	80.2		
	TOT OBS		-					-			100 740		5496	
	TOT PCT	36.0	38.8	3.5	.6	1.5	2.5	5.1	9.6	.0	2.3	100.0		

APRIL

0

PERIOD: (PRIMARY) 1922-1973 (OVER-ALL) 1854-1973 AREA 0004 CANARY ISLANDS 28.0N 15.1W TABLE 10 PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR 350U 5000 6500 8000+ TOTAL NH <5/8 TOTAL 4999 6499 7999 ANY HGT OBS 00603 3.3 .9 70.7 748 90300 59.6 815 12615 18621 3.7 2.7 8.8 5.8 .7 .1 23.0 77.0 827

> 5 106 370 311 .2 3.2 11.3 9.5

0

0

TOT

TABLE 11 TABLE 12 CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8),BY HOUR PERCENT FREQUENCY VSBY (NM) BY HOUR 10+ TOTAL 00603 1215 00603 4.5 27.0 712 06609 1.7 20.5 76.5 1550 90300 .1 7.7 34.8 782 12615 .5 .0 14.3 84.1 1299 12615 844 18621 .0 1.0 1.1 17.7 79.9 1551 18821 .0 .2 3.5 803 20.5 76.0 TOT PCT 72 996 1.3 17.7

TABLE 13

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TOTAL PCT
TOTAL PC

TABLE 15 TABLE 16 MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR 70-79 80-89 90-100 MEAN TOTAL OBS 37.2 28.3 12.4 77 688 36.6 26.6 9.4 76 759 35.3 13.4 4.4 71 751 37.8 23.3 6.1 74 724 1072 666 233 74 2920 MIN MEAN TOTAL 085
53 63.8 1632
52 63.8 2274
54 67.2 1555
53 66.1 2244
52 65.1 7705 HOUR (GMT) 00603 06609 12615 18621 TOT 99% 95% 50% 5% 1% 0-29 30-59 60-69 69 70 76 75 74 67 68 73 72 71 64 67 66 65 61 60 63 62 61 58 59 61 60 59 .0000 2.8 3.8 12.5 4.7 176 19.4 23.6 34.4 28.0 773

PERIOD: (PRIMARY) 1922-1973 (OVER-ALL) 1854-1973

TABLE 17

AREA 0004 CANARY ISLANDS 28.0N 15.1W

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA	49 52	53 56	57 60	61	68	69 72	73 76	77 80	81 84	85 88	тот	FOG	FOG
17/19	.0	.0	.0	.0	.0	.0	.0	.0	.0		2	.0	.1
14/16	.0	.0	.0	.0	.0	.0	.0			.0	1	.0	
11/13	.0	.0	.0	.0	.0		.1	.1	.0	.0	7	.0	.2
9/10	.0	.0	.0	.0	.0	.1	. 2	.1	.0	.0	14	.0	.4
7/8	.0	.0	.0	.0	.2	. 8	.2	.0	.0	.0	49	.0	1.4
5	.0	.0	.0	.0	.1	.5	.2	.0	.0	.0	27		.7
5	.0	.0	.0	.1	.7	.9	.1	.0	.0	.0	66	.0	1.9
4	.0	.0	.0	.3	1.3	1.4	.1	.0	.0	.0	108	.2	2.9
3	.0	.0	.0	.2	1.9	1.4	.0	.0	.0	.0	123	.1	3.4
2	.0	.0		1.0	4.5	1.4		.0	.0	.0	249	.2	6.9
1	.0	.0		2.2	7.5	1.3	.0	.0	.0	.0	390	.1	10.9
0	.0	.0	.1	6.5	10.8	.6		.0	.0	.0	633	.2	17.7
-1	.0	.0		10.4	8.4	.2		.0	.0	.0	675	.4	18.7
-2	.0	.0	.3	10.0	4.8	.1	.0	.0	.0	.0	538	.1	15.1
-3	.0	.0	.5	5.7	1.5		.0	.0	.0	.0	273	.1	7.7
-4	.0	.0	.4	3.7	.8	.0	.0	.0	.0	.0	172	.1	4.8
-5	.0		.5	2.2	.4		.0	.0	.0	.0	110		3.1
-6	.0	.0	.4	.5	.2	.0	.0	.0	.0	.0	39	.0	1.1
-7/-8	.0	.1	.2	.4	.2		.0	.0	.0	.0	31		.9
-9/-10	.0	.1	.1	.0		.0	.0	.0	.0	.0	7	.0	.2
-11/-13		.2		.1	.0	.0	.0	.0	.0	.0	10	.0	.3
-14/-16	.0		.0		.0	.0	.0	.0	.0	.0	2	.0	.1
TOTAL	1	-	91		1529	.0	43			.0	4	53	3473
		12	*1	1528	1327	312	40		1		3526	,,	2413
PCT		.3	2.6	1520		8.8		.2		1			
-61	•		2.0	43.3	43.4	0.8	1.2	. 2			100.0	1.5	98.5

PERIOD: (OVER-ALL) 1963-1973

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT) 34-47 .0 .0 .0 .0 .1 .1 .1 .1 .0 .0 .0 .0 .0 HGT <1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60 61-70 71-86 ***Torrespondences of the control of the co 4-10 1.9 7.2 3.4 1.4 .0 .0 .0 .0 .0 .0 .0 .0 1-3 11-21 2.9 8.0 6.9 3.3 1.6 .1 .4 .0 .0 .0 .0 .0 -47 22-33 HGT
<1
1-2
3-4
5-6
7
8-9
10-11
12
13-16
17-19
20-22
23-25
26-32
33-40
41-48
49-60
61-70
71-86
TT-86 34-47 48+ 1-3 11-21 48+

PERIOD:			1012						APR	IL							
PERIUD:	(DAE)	(-ALL)	1963-	1973				TABLE	18 (CONT)				AREA		CANARY	. 1W
				PC	T FREQ OF	WIND	SPEED	(KTS)	AND	DIREC	TION	VERSUS	SEA HEIG	HTS (FT)			
HGT	1-3	4-10	11-21	5 22-33	34-47		PCT			1-3	4-10		SW				
<1	.0	4-10	.0	.0	.0	48+	PCI			.0	-10	11-21	22-33	34-47	48+		
1-2	.1	.4	.2	.0	.0	.0	.7			.1	.2	.2		.0	.0		
3-4	.0	.2		.0	.0	.0	.2			.0	.0	.2		.0	.0		
5-6	.0		.1	.0	.0	.0	.1			.0		.1	.1	.0	.0		
7	.0	.0	.0		.0	.0				.0	.0	.1	.0	.0	.0		
8-9	.0	.0	.0	.0	.0	.0	.0			.0	.0	.1	.0	.0	.0		
10-11	.0	.0	.0		.0	.0				.0	.0	.0		.0	.0		
12	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0		.0	.0		
13-16	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0		.0	.0		
17-19	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0		.0	.0		
20-22	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0		.0	.0		
23-25	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0		.0	.0		
41-48	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0		
49-60	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0		
61-70	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0		
71-86	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0		
87+	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0		
TOT PCT	.1	.7	.3	•1	.0	.0	1.2			•1	.3	. 8	.1	.0	.0	1.3	
													NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT			1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.1	.3	.0	.0	.0	.0	4			. 2	.6	.0	.0	.0	.0	.8	
1-2	.1	1.2	.3	.0	.0	.0	1.5			.2	1.9	.3	.0	.0	.0		
3-4	.0	.3	.3	.0	.0	.0	.6				. 8	1.4	.2	.0	.0		
5-6	.0	.0	.4	.1	.0	.0	.5			.0	.3	1.1		.0	.0		
7	.0	.0	.2		.0	.0	.3			.0	.0	.2		.0	.0		
8-9	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0		
10-11	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0		.0	.0		
12	.0	.0	.0	.0	.0	.0	.0			•0	.0	.0		.0	.0		
13-16	.0	.0	.0	.0	.0	.0	.0			•0	.0	.0		.0	.0		
17-19	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0		.0	.0		
20-22	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0			.0		
	.0	.0	•0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0		
26-32 33-40	.0	.0	.0	.0	.0	.0	.0			•0	.0	.0		.0	.0		
41-48	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0		
49-60	.0	.0	.0	.0	.0	.0	:0			.0	.0	.0	.0	.0	.0		
61-70	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0		
71-86	.0	.0	.0	.0	.0	.0	:0			.0	.0	.0	.0	.0	.0		
87+	.0	.0	.0	.0	.0	.0	:0			.0	.0	.0	.0	.0	.0		
TOT PCT	.2	1.7	1.3	.1	.0	.0	3,3			.4	3.6	3.1	1.0		.0		97.2
							,,,				2.0	20.7	1.0		. 0		

		WIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
н	GT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<	1	4.3	3.9	.4	.0	.0	.0	8.6	003
	-2	1.1	15.7	8.1	.0	.0	.0	24.8	
	-4	•1	7.6	17.8	1.6	.0	.0	27.2	
	-6	•0	2.3	15.9	3.3	.0	.0	21.5	
	7	•0	.2	6.4	2.3	.1	.0	9.1	
8	-9	•0		2.6	2.5		.0	5.3	
10	-11	.0		.7	1.3	.1	.0	2.1	
1	2	.0	.0	.1	.3	.1	.0	.5	
	-16	.0	.0	*	.4	.1	.0	.6	
	-19	.0	.0	.1		.0	.0	.2	
	-22	.0	.0	.0	.0		.0		
	-25	.0	.0	.0	.0	.0	.0	.0	
	-32	.0	.0	.0	.0	.0	.0	.0	
	-40	.0	.0	.0	.0	.0	.0	.0	
	-48	.0	.0	.0	.0	.0	.0	.0	
	-60	.0	.0	.0	.0	.0	.0	.0	
	-70	.0	.0	.0	.0	.0	.0	.0	
	-86	.0	.0	.0	.0	.0	.0	.0	
	87+	.0	.0	.0	.0	.0	.0	.0	
									2057
TOT	PCT	5.5	29.9	52.3	11.8	.6	.0	100.0	

PERIOD	: (av	ER-ALL)	194	9-197	,				,	TABLE 1	19											
					PERCENT	FRE	QUENCY	OF	WAVE	E HEIGH	4T (F	T) ys	WAVE P	ERIOD	(SECON	DS)						
PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11		12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
66 6-7 8-9	1.1	6.2	10.2	6.4	4.3	1.1	.5		.3	.2		.0	.0	.0	.0	.0	.0	.0	.0	.0	756	4
6-7	.0	.8	4.4	7.5	5.3	2.7	1.5		.6	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	578	6
8-9	.0	.4	2.2	4.3	4.0	3.1	1.0		.4	.4		.0		.0	.0	.0	.0	.0	.0	.0	397	6
10-11	.0	.4	.7	1.0	1.2	. 8	.6		.3	.2	.1	.0		.0		.0	.0	.0	.0	.0	134	7
10-11	.0	.0	.8	.5	.2	.2	.2		.1	.4	.1	.0	.0	.0		.0	: 0	.0	.0	.0	66	7
>13	.0	.0	.0	.2	.2	.2	.2		.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	29	9
INDET	2.1	3.7	4.2	4.5	3.2	1.4	1.3		.4	.3	.0		.0	.0		.0	.0	.0	.0	.0	523	5
TOTAL	80	287	562	608	457	240	135		56	47	10	1	0	0	0	0	0	0	0	0	2483	5
PCT	3.2	11.6	22.6	24.5	18.4	9.7	5.4	2	2.3	1.9	.4		.0	.0	.0	.0	.0	.0	.0	.0	100.0	

TABLE 1

AREA 0004 CANARY ISLANDS 28.0N 15.2W

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA		
WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	DTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRA BLWG I	DUST	NO SIG WEA
N NE	:1	.4	:1	.0	.0	.0	.0	.7	.3	:1	1:1	.0	1.6		.0	96.1
E SE	.0	1.3	.0	.0	.0	.0	.0	1.3	.0	1.6	3.2	.0	3.1		.0	95.0
SW	.0	2.3	.0	.0	.0	.0	.0	3.2	2.8	1.4	.0	.0	.0		.0	94.4
NW	.0	1.7	.0	.0	.0	.0	.0	1.7	1.3	1.0	2.1	.0	2.0		.0	93.9
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.9	.0	1.6		.0	93.4
TOT PCT TOT OBS:	3938	.5	.1	.0	.0	.0	.0	.8	.5	.2	1.3		1.9		. 1	95.2

TARIE

PERCENT	FREGUENCY	DE	WEATHER	DECLIBRENCE	RY	HOUR

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	
00603 06609 12615 18621	.1 .2 .0	.5 .6 .3	.0	.0	.0	•0	.0	.7 1.1 .3 .9	.3 .6 .6	.2 .4 .0	1.1 1.6 1.2 1.7	.0 .0 .0	1.0 1.1 2.4 3.0	.0	96.5 95.3 95.5 93.6
TOT PCT	4030	.5	.1	.0	.0	•0	.0	.7	.4	.2	1.4		1.9	•1	95.2

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		WI	ND SPE	ED (KN	DTS)								HOUR	(GMT)	,		
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	PCT	SPD	00	03	06	09	12	15	18	21
N NE	1.3	12.5	16.8		.2	.0		34.4	13.2	34.4	46.2	36.1	30.1	34.7	37.4	35.4	31.4
E	.3	1.8	1.2			.0		3.5	10.6	3.6	1.9	2.9	4.3	3.6	.9	3.2	4.9
SE	.2	.6	.1		.0	.0		.9	6.9	.9	.3	1.0	1.3	1.3	.9	.4	1.2
S	.2	.7	.4			.0		1.3	8.3	1.2	3.0	1.5	1.5	1.8	.0	1.3	.4
SW	.3	1.3	.6			.0		2.4	8.9	2.1	4.3	2.2	1.8	2.8	2.6	2.1	3.0
W	.6	2.4	1.2	.1	.0	.0		4.4	9.2	3.7	1.1	4.0	4.6	4.4	5.6	5.4	4.7
NW	.6	5.3	2.7	.3		.0		9.0	9.6	8.6	3.0	9.6	9.9	9.3	10.5	9.3	6.8
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	2.0							2.0	.0	2.0		2.4	2.4	2.4	.0	1.3	2.0
TOT OBS	537	3082	3614	782	48	0	8063		12.5	1600	92	1591	776	1527	117	1514	846
TOT PCT	6.7	38.2	44.8	9.7	.6	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

		WIND	SPEED	(KNUTS)						HOUR	(GMT	
WND DIR	0-6	7-16	17-27		41+	TOTAL	PCT	MEAN	00	06	12 15	18
N NE	5.6	18.3	9.6	1:7	:		34.4	13.2	35.0 43.1	34.1	34.9	34.0
	1.2	1.7	.6	.1	.0		3.5	10.6	3.5	3.4	3.4	3.8
S E		.3	.1		.0		.9	6.9	.8	1.1	1.2	.7
S	.7	.5	.1		.0		1.3	8.3	1.3	1.5	1.7	1.0
SW	1.0	1.1	.2		.0		2.4	8.9	2.3	2.1	2.8	2.5
W	1.6	2.3	.5		.0		4.4	9.2	3.6	4.2	4.5	5.2
NW	3.0	4.9	1.0		.0		9.0	9.6	8.3	9.7	9.4	8.4
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	2.0						2.0	.0	2.1	2.4	2.2	1.5
TOT OBS	1670	4114	2052	221	6	8063		12.5	1692	2367	1644	2360
TOT PCT	20.7	51.0	25.4	2.7	- 1		100.0		100.0	100.0	100.0	100.0

PERIOD: (PRIMARY) 1921-1973 (OVER-ALL) 1854-1973

* *

TABLE 4

AREA 0004 CANARY ISLANDS 28.0N 15.2W

DEDCENTACE	EDECLIENCY	0.5	WIND	cocco	av	MINIE	COMT

HOUR	CALM	1-3	4-10	WIND 11-21	SPERG (KNOTS1 34-47	48+	MEAN	PCT	TOTAL
00603	2.1	3.7	39.1	45.7	9.0	.5	.0	12.5	100.0	1692
90300	2.4	5.2	39.0	44.1	8.7	.6	.0		100.0	2367
12615	2.2	5.8	34.1	46.7	10.5	.6	.0	12.7	100.0	1644
18621	1.5	3.9	39.7	43.6	10.6	. 6	.0	12.7	100.0	2360
TOT	164	373	3082	3614	782	48	0	12.5		8063
DCT	2 0	4 6	20 2	44 6	9 7	4	0		100 0	

TABLE 5

TABLE 6

	CT FRE	0 05 7	OTAL C	LOUD A	MOUNT /	EIGHTHS)			DEDCEN	TACE -	DECLIEN	CY DE	CEILIN	C HETC	HTC (F	T.NH	4/81	
	CI FRE			DIREC		EIGHINS							NH <5/					
						MEAN												
WND DIR	0-2	3-4	5-7	3 8	TOTAL	CLOUD	000	150	300	600	1000	2000	3500	5000		8000+	NH <5/8	
				DBSCD	OBS	COVER	149	299	599	999	1999	3499	4999	6499	7999		ANY HGT	OBS
N	13.2	8.7	13.6	6.3		4.2	.0	.0	.2	2.3	6.0	5.1	2.1	.5	.2	.4	25.0	
NE	12.8	7.5	11.4	5.6		4.1		.0	.1	1.3	4.7	4.4	1.9	.4	.3	.4	23.7	
Ε	. 8	.2	.4	.2		3.2	.0	.0	.0	*	.1	.1	.1	*		.0	1.2	
SE	.3	.1	.1			3.2	.0	.0	.0	.0		*	.1	*	.0	*	. 5	
S	.7	.5	.4	.2		3.5	.0	.0	.0	.0	.2	.1	.1		.0	*	1.4	
SW	1.3	.5	. 8	.2		3.4	.0	.0	.0	.1	.4	.1	.1	.0	.0	.0	2.2	
	1.8	.9	1.1	.3		3.2	.0	.0	.0	.1	.4	.3	*		*	*	3.1	
NW	3.0	2.2	2.1	1.0		3.8	.0	.0	.1	.4	. 8	.6	.3	*	*	*	6.0	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.7	.4	.5	.2		3.4	.0	.0	*	*	.2	.2	.1	*	.0	*	1.3	
TOT OBS	1060	646	933	425	3064	4.0	1	0	13	128	395	332	145	34	18	29	1969	3064
TOT PCT	34.6	21.1	30.5	13.9	100.0			.0	.4	4.2	12.9	10.8	4.7	1.1	.6	.9	64.3	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS DCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

					VSBY (NM)			
CI	EILING	- DR	- DR	- DR	- DR	- nR	- DR	. OR	- OR
(1	FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
OR	>6500	1.2	1.5	1.5	1.5	1.5	1.5	1.5	1.5
OR	>5000	2.1	2.6	2.6	2.6	2.6	2.6	2.6	2.6
OR	>3500	5.6	7.1	7.3	7.3	7.3	7.3	7.3	7.3
OR	>2000	13.7	17.6	18.1	18.1	18.1	18.1	18.1	18.1
OR	>1000	23.9	30.4	31.0	31.0	31.0	31.0	31.0	31.0
	>600	27.4	34.6	35.3	35.3	35.3	35.3	35.3	35.3
OR	>300	27.6	35.0	35.7	35.7	35.7	35.7	35.7	35.7
	>150	27.6	35.1	35.7	35.7	35.7	35.7	35.7	35.7
	> 0	27.7	35.1	35.8	35.8	35.8	35.8	35.8	35.8
	TOTAL	859	1090	1111	1111	1111	1111	1111	1111

TOTAL NUMBER OF OBS: 3106

PCT FREQ NH <5/8: 64.2

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 DBSCD DBS 15.5 13.5 15.3 10.7 8.7 7.4 7.7 9.0 12.2 .0 3282

	TABLE 8	REA	0
PERCENT	FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURREN	NCE	0

				PRFCI	PITAT	ION MI	TH VAR	A INC A	ALUES	DF VIS	IBILI	TY	
VSBY (NM)		N	NE	E	SE	5	SW	W	NW	VAR	CALM	PCT	TOTAL
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT &	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	PCP	.0	.0	.0	.0	.0	.0		.0	.0	.0		
1/2<1	NO PCP	.1	.2	0		.0	.0	.0	.0	.0	.0	3	
	TOT &	.1	. 2	:0		.0	.0		.0	.0	.0	3	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	NO PCP	.1	.1		.0	.0	.0	.0		.0		.2	
	TOT &	.1	.1		.0	.0	.0	.0	•	.0		.2	
	PCP	.0 .7 .7	.5	.0	.0	.0		.0	.0	.0	.0	.1	
2<5	NO PCP	.7	. 5	· c	.0		.0		.1	.0	.1	1.4	
	TOT %	.7	.5	000	.0				.1	.0	.1	1.4	
	PCP	.2	.1		.0			.1		.0	.0	.4	
5<10	NO PCP	8.7	9.9	.7	. 3	,5	. 5	1.1	2.3	.0	.4	24.3	
	TOT %	8.8	10.0	:7	.3	.5	.0	1.2	2.3	.0	.4	24.7	
	PCP	30.8	26:9	1:3	:5	.0		.0		.0	.0	.3	
10+	NO PCP		26.9	1.3	.5	1.3	2.1	3.2	5.9	.0	1.1	73.1	
	TOT %	30.9	27.0	1.3	.5	1.3	2.1	3.2	6.0	.0	1.1	73.4	
	TOT OBS												3927
	TOT PCT	40.5	37.7	2.0	.8	1.8	2.8	4.5	8.4	.0	1.6	100.0	

TABLE 9

				PERCENT					VS WI		ED		
VSBY (NM)	SPD	N	NE	ε	SE	s	SW	W	NW	VAR	CALM	PCT	TOTAL
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	.0	.0	.0	.0	.0	.0	.0	*	.0			
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	-	.0	
	TOT \$.0	.0	.0	.0	.0	.0	.0		.0	.0		
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	4-10	.1		.0	*	.0	.0	.0	.0	.0		.1	
	11-21		.1	.0	.0	.0	.0	.0	.0	.0		.1	
	22+	.0	.0	.0	.0	.0	.0	*	.0	.0			
	TOT \$.1	.1	.0	*	.0	.0		.0	.0	.0	.2	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0			
1<2	4-10	*		*	.0	.0	.0	.0		.0		.1	
	11-21			.0	.0	.0	.0	.0	.0	.0		.1	
	22+	*		.0	.0	.0	.0	.0	.0	.0		*	
	TOT %	.1	.1		.0	.0	.0	.0		.0	*	.2	
	0-3			.0	.0	.0	.0	.0	.0	.0	.1	.1	
2<5	4-10	.1	.2		.0					.0		.4	
	11-21	.4	.2		.0				.1	.0		.8	
	22+	.1	.1	.0	.0	.0	.0	.0		.0		.1	
	TOT %	.6	.5	9	.0				.1	.0	.1	1.4	
	0-3	.4	.2	.1	.1	.1		.2	.2	.0	.3	1.4	
5<10	4-10	2.4	2.6	.3	.1	. 2	.3	.5	1.0	.0		7.2	
	11-21	3.9	4.6	.3	.1	.1	.1	.2	.7	.0		9.9	
	22+	1.2	1.6	.1	.0				.1	.0		3.0	
	TOT %	7.8	8.9	.6	. 2	.4	.5	.9	1.9	.0	.3	21.6	
	0-3	.9	.7	.2	. 1	.2	.2	.4	.3	.0	1.4	4.3	
10+	4-10	10.1	9.6	1.1	.4	.5	1.1	1.9	4.1	.0		28.8	
	11-21	15.1	16.7	.6	.1	.3	. 5	.9	1.8	.0		36.0	
	22+	3.2	3.8	.1					. 2	.0		7.4	
	TOT %	29.3	30.8	1.9	.6	1.1	1.9	3.2	6.5	.0	1.4	76.5	
1	TOT DBS												5664
1	OT PCT	37.9	40.4	2.5	.8	1.5	2.4	4.2	8.5	.0	1.8	100.0	

MAY

PERIOD:	(PRIMARY)	1921-1973
	(DVER-ALL)	1854-1973

TABLE 10 AREA 0004 CANARY ISLANDS 28.0N 15.2W

PERCENT FREQUENCY OF CEILING HFIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	999	1000	2000 3499	3500 4999	5000 6499	6500	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL
00603	.0	.0	.7	2.8	10.5	8.9	4.0	.6	1.0	1.1	29.5	70.5	722
90360	.1	.0	.4	7.3	18.4	13.5	5.4	1.7	.4	1.0	48.3	51.7	776
12615	.0	.1	.5	3.3	12.8	9.1	5.3	1.3	.3	.6	33.2	66.8	876
18621	.0	.0	.2	3.1	8.9	10.3	3.6	.8	.6	1.0	28.6	71.4	833
PCT	1	1	14	132	405	335	147	35	18	29	1117	2090 65.2	3207 100.0

TABLE 11

TABLE 12

		PERCENT	FREQUEN	ICY VSB	Y (NM)	BY HOUR		CUMULAT	IVE PCT	FREQ	OF RAN	GES OF NH >4/8	VSBY (NM)	AND/OR
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL
00603	.0	.2	.2	1.8	18.6	79.1	1244	00603	.0	.7	5.2	26.0	68.8	693
06809	•1	.4	.1	1.3	24.2	74.0	1590	90360	•1	.5	9.9	40.7	49.3	756
12615	•0	•2	.2	1.2	20.0	78.4	1329	12615	.0	.6	4.6	29.9	65.5	852
18821	.0	.3	.3	1.6	23.0	74.9	1593	18821	.0	,2	5.5	24.8	69.7	805
TOT	1	15	11	85	1248	4396	5756	TOT	1	16	194	943	1969	3106

					ADEL I	,									IABL	E 14				
	PERC	ENT FR	EQUENC	Y OF R	ELATIV	E HUMII	DITY B	Y TEMP	TOTAL	PCT		PERC	ENT FRE	QUENC	Y OF W	IND DI	RECTIO	N BY T	EMP	
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100		FREQ	N	NE	E	SE	S	SW	W	NW	VAR	CALM
80/84	.0	.0	.0	.0	.0	.1	.0	.0	37	1.2	.5	.3	.0	.0	.0	.0	.0	.0	.0	.0
70/74	.0	.0		.7	3.0	4.5	2.6	.6	348	11.5	4.2	4.0	.5	.1	.2	.6	.9	1.0	.0	.2
65/69	.0	.0		1.3	12.2	28.9	22.2	2.9	2158	71.3	29.0	27.3	1.2	.5	1.3	2.1	2.8	1.0	.0	.8
55/59 TOTAL	.0	.0		71	549	1178		309	3	100.0	.0	.0	.0	*	.0	.0	.0	.1	.0	.0
PCT	.0	.0	.1	2.3	18.1	38.9	30.2	10.2	2023	100.0	40.6	38.3	1.9	.6	1.7	2.8	4.1	8.7	.0	1.3

														INDLE	10			
	MEANS,	EXTREME	S AND	PERCEN	TILES	OF TEM	F (DE	G F) 8	Y HOUR		PERC	ENT FRE	QUENCY	OF RELA	TIVE H	YTIDIMU	BY HOUR	1
HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL	HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
00603	75 82	71 72	68	65	63	61	54	65.4	1702	00603	.0	1.6	11.5	35.1	37.3	15.2	80	723 760
12615		78 77	74	68	65	63	57	68.8	1621	12615	.0	4.9	28.0	39.0	22.0	6.0	74	794 805
101	83	76	72	66	63	61	54	66.8	8013	TOT	0	75	559	1196	935	317	77	3082

PERIOD: (PRIMARY) 1921-1973 (OVER-ALL) 1854-1973

TABLE 17

APEA 0004 CANARY ISLANDS 28.0N 15.2W

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRINGE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	53 56	57 60	61	65 68	69 72	73 76	77 80	81 84	TOT	FOG	FOG
20/22	.0	.0	.0	.0	.0	.0	.0		1	.0	
17/19	.0	.0	.0	.0	.0		.0	.0	1	.0	*
14/16	.0	.0	.0	.0	.1		*	*	6	.0	.2
11/13	.0	.0	.0	.0	. 1	.1	.2	*	13	.0	.4
9/10	.0	.0	.0		.0	. 2	.1	*	15		.4
7/8	.0	.0	.0	.2	.3	.5	.1	.1	41	. 1	1.1
6 5	.0	.0	.0	.1	.3	.4	.0	.0	26	.0	.7
	.0	.0	. 1	.4	1.3	. 8	.0	.0	93	.0	2.5
4	.0	.0	. 1	1.0	2.1	.3	.0	.0	127	. 2	3.3
3	.0	.0	. 1	1.8	2.5	.4	.0	.0	175	. 2	4.6
2	.0	.0	.3	4.1	3.4	.1		.0	291	.1	7.8
1 0 -1	.0	.0	. 7	9.1	3.2	.1	.0	.0	478	. 2	12.9
0	.0	*	2.4	16.8	2.3	.1	.0	.0	790	.2	21.4
-1	.0	*	3.6	15.0	. 8	.0		.0	708	. 3	19.1
-2	.0	*	4.1	8.0	. 3	*	.0	.0	457	. 1	12.4
-3	.0	.0	2.4	3.7	.2	.0	.0	.0	228	.1	6.1
-4	.0	.0	1.5	1.1		.0	.0	.0	99	*	2.7
-5	.0	.1	. 8	.3	*	.0	.0	.0	46	.0	1.3
-6	.0	.1	.2	.3	.0	.0	.0	.0	21	.0	.6
-7/-8	*	. 1	.4	. 2	.0	.0	.0	.0	26	.0	.7
-9/-10	.1	.1	.1	.1	.0	.0	.0	.0	- 11	.0	.3
-11/-13	.1	.0	.0	.0	.0	.0	.0	.0	2	.0	.1
-14/-16	.0	*	.0	.0	.0	.0	.0	.0	1	.0	
TOTAL	5		613		615		17			55	3601
		16		2275		109		6	3656		
PCT	. 1	.4	16.8	62.2	16.8	3.0	.5	.2	100.0	1.5	98.5

PERIOD: (OVER-ALL) 1963-1973

TABLE 18

								HOLE	10						
				PO	T FREQ	F WIND	SPEED	(KTS) AND	DIRE	CTION V	ERSUS S	EA HEIG	HTS (FT)		
				N								NE			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.7	1.4	*	.0	.0	.0	2.1		.3	.8	.1	.0	.0	.0	1.3
1-2	.3	5.8	3.4	.0	.0	.0	9.6		. 2	4.0	2.8	.0	.0	.0	7.1
3-4	.0	2.5	8.0	.5	.0	.0	10.9		.0	2.8	8.0	.5	.0	.0	11.3
5-6	.0	.6	6.3	1.3	.0	.0	8.2		.0	.5	6.5	1.3	.0	.0	8.3
7	.0	.1	3.4	1.5		.0	5.0		*	.1	4.1	1.9	.1	.0	6.2
8-9	.0		. 8	1.1	.0	.0	1.9		.0	*	1.0	1.6	*	.0	2.7
10-11	.0	.0	.3	.8	.1	.0	1.2		.0	.0	.5	. 8	.1	.0	1.4
12	.0	.0	.2	.2	• 1	.0	.4		.0	.0	.1	.1	*	.0	+2
13-16	.0	.0	.0	.3	*	.0	.3		.0	.0	.0	.1	.1	.0	.2
17-19	.0	.0	.0	*	*	.0	.1		.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	*	.0	*		.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.0	10.5	22.4	5.6	.3	.0	39.8		.6	8.2	23.2	6.3	.3	.0	38.7
				E								SE			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.2	*	.0	.0	.0	.3		*	.1	.0	.0	.0	.0	.2
1-2	*	.3	.2	.0	.0	.0	.5		*	*	. 1	.0	.0	.0	.2
3-4	.0	.1	.3	.0	.0	.0	.4		.0		.1	.0	.0	.0	.1
5-6	.0	*	.1	.1	.0	.0	.2		.0	.0		.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0		.0	.1	.0	.0	.0	.0	.1
8-9	.0	.0	.0	*	.0	.0	*		.0	.0	.0	.0	.0	.0	.0
10-11	.0	. C	.0	*	.0	.0	*		.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	+ 0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
TOT PCT	.1	.6	.6	.2	.0	.0	1.6		.1	.3	.2	.0	.0	.0	.6

									MA	Y							
PERIOD:	COVE	(-ALL)	1963-1	973				TABLE	18	(CONT)				AREA	28.		ISLANDS
					_												
				PC	T FREO	OF WIND	SPEED	(KTS)	AND	DIREC	TION	VERSUS	SEA HEIG	HTS (FT)			
				S									SW				
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT			1-3	4-10		22-33	34-47	48+	PCT	
<1	.1	.4	.0	.0	.0	.0	.5			. 2	.5		.0	.0	.0	.7	
1-2	• 2	.3	.2	.0	.0	.0	.7			- 1	.9		.0	.0	.0	1.2	
5-6	.0	.0	.2	.0	.0	.0	.3			.0	.3		.0	.0	.0	.6	
7	.0	.0	.1	.0	.0	.0	.1			.0	:		.0	.0	.0	.3	
8-9	.0	.0	.0		.0	.0				.0	.0			.0	.0		
10-11	.0	.0		.0	.0	.0				.0	.0		.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
TOT PCT	.3	.8	.7		.0	.0	1.9			.3	1.7	1.0	-1	•0	.0	3.0	
													NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT			1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL
<1	.3	.6	.0	.0	.0	.0	.9			.1	.8	.0	.0	.0	.0	1.0	
1-2	.2	1.2	.5	.0	.0	.0	1.9			*	2.5		.0	.0	.0	3.2	
3-4	.0	.5	.7	.0	.0	.0	1.2			.0	1.2	1.3	.1	.0	.0	2.5	
5-6	.0	.0	.4	.0	.0	.0	. 4			.0	*		*	.0	.0	.7	
7	.0	*	.0	.0	.0	.0	*			.0	*		.1	.0	.0	.4	
8-9	.0	.0	.0	.0	.0	.0	.0			.0	۰0			.0	.0	.1	
10-11	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0		
12	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	*	
13-16	.0	.0	.0	.0	.0	.0	.0			.0	.0		*	.0	.0	*	
17-19	• 0	.0	.0	.0	.0	.0	.0			.0	• 0		.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
33-40 41-48	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
TOT PCT	.5	2.3	1.6	.0	.0	.0	4.4			.2	4.6		.2	.0	.0	7.9	97.8
					•0	••	7										

8

30

8

(8)

	MIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	4.4	4.9	.2	.0	.0	.0	9.5	000
1-2	1.4	15.1	8.1	.0	.0	.0	24.5	
3-4	•0	7.3	18.8	1.0	.0	.0	27.1	
5-6	• 0	1.3	14.2	2.7	.0	.0	18.2	
7	*	. 4	7.9	3.4	.1	.0	11.8	
8-9	• 0	. 1	1.8	2.8	*	.0	4.8	
10-11	•0	.0	.9	1.7	.2	.0	2.8	
12	• 0	.0	.3	.3	.1	.0	.7	
13-16	•0	.0	.0	.4	.1	.0	.5	
17-19	• 0	.0	.0	*	*	.0	.1	
20-22	•0	.0	.0	.0	*	.0	*	
23-25	•0	.0	.0	.0	.0	.0	.0	
26-32	•0	.0	.0	.0	.0	.0	.0	
33-40	•0	.0	.0	.0	.0	.0	.0	
41-48	•0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								2123
TOT PCT	5.8	29.1	52.1	12.3	.6	.0	100.0	

AREA 0004 CANARY ISLANDS 28.0N 15.2W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

			P	RECIPI	TATIO	TYPE					OTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	DTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE		NO SIG WEA
N NE	:1	.3	.3	.0	.0	.0	.0	• 7	.4	:2	3.4	.0	2.4	.2	92.7
		.5	. 1			.0	.0	!			2.4				
E	1.6	.0	1.2	.0	.0	• 0	.0	2.9	1.2	.0	1.6	.0	1.2		93.0
SE	.0	.0	.0	.0	.0	.0	.0	.0	2.4	.0	- 0	.0	.0	.0	97.6
S	.0	•0	.0	.0	.0	.0	.0	.0	.0	.0	2.4	.0	2.4	.0	95.2
SW	1.8	.0	.0	.0	.0	.0	.0	1.8	.5	.0	4.1	.0	2.3	.0	91.4
W	.0	1.8	2.0	.0	.0	.0	.0	3.8	. 8	1.0	.0	.0	1.0		93.4
NW	.0	1.1	.7	.0	.0	.0	.0	1.8	.0	.0	3.5	.3	1.6		92.8
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.1	.0	6.1	.0	87.8
TOT PCT	3496	.5	.3	.0	.0	.0	.0	.9	.3	.2	3.0		2.0	.1	93.5

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN	ORZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	
00603	.1	.6	.1	.0	.0	.0	.0	.8	.4	.4	2.3	.0	1.1	.1	94.9
90300	.1	.5	.7	.0	.0	• 0	.0	1.3	.8	.3	3.1	.1	1.8	.1	92.4
12615	.1	.3	.2	.0	.0	.0	.0	.7	.1	.0	2.5	.0	2.2	.2	94.3
18621	.1	.3	.2	.0	.0	.0	.0	.7	.1	.0	4.4	.0	2.7	.0	92.1
TOT PCT	1598	.4	.3	.0	.0	•0	.0	.9	.4	.2	3.1		2.0	-1	93.4

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

				2.7	-					2 2 2 200	7.00							
		WI	ND SPE	ED (KN	OTS)								HOUR	(GMT)				
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	FREQ	SPD	00	03	06	09	12	15	18	21	
N NE	1.5	16.4	19.3		.1	.0		40.2	12.3	40.3	51.4	41.2	36.5	38.3	56.3	42.5	37.2	
E	.3	1.4	1.2			.0		3.0	11.3	2.6		3.1	4.7	3.1	.0	2.1	4.0	
SE	.1	.3	.1	-	.0	.0		.4	7.1	.2	.0	.3	.4	.5	.0	.3	1.1	
5	.1	.3	.2	.0	.0	.0		.5	8.5	.5	.0	.3	.1	1.3	.0	.6	.1	
SW	.4	.6	.3		.0	.0		1.4	8.0	1.7	1.1	1.4	. 8	1.7	.0	1.3	1.2	
H	.3	1.6	.4		.0	.0		2.3	7.5	2.3	4.2	2.1	2.6	2.6	1.9	2.0	2.4	
NW	.6	4.5	1.9	.2		.0		7.1	9.0	6.5	5.6	7.3	7.3	6.8	8.4	8.3	6.3	
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	1.3							1.3	.0	1.4	1.1	1.7	1.4	1.3	.0	.8	1.1	
TOT OBS	398	2848	3390	646	35	0	7317		12.4	1479	89	1480	692	1353	92	1327	805	
TOT PCT	5.4	38.9	46.3		.5	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TABLE 3A

WND DIR	0-6	WIND 7-16	SPEED 17-27	(KNDTS) 28-40	41+	TOTAL	PCT FREQ	MEAN SPD	00	06 09	12 15	18
N NE	7.1	23.3	9.0	8	*		40.2	12.3	40.9	39.7	39.5	40.5
F												2.8
SE		.2			.0		.4	7.1	.2	.3	.4	.6
S		.2	.1	.0	.0					.2	1.2	.4
SW												1.3
												7.6
VAR		.0	.0	•0	.0		.0	.0	.0	.0	.0	.0
CALM	1.3						1.3	.0	1.4	1.6	1.2	.9
			1793		8	7317		12.4				2132
	N E E S W W N N N N N N N N N N N N N N N N N	NE 7.1 NE 5.0 E 8 SE .2 SW .7 W 1.2 NW 2.6 VAR .0 CALH 1.3 TOT DBS 1401	N 7.1 23.3 NE 5.0 23.1 E 8 1.6 SE 2 2 2 5 2 2 5 8 1.0 NH 2.6 4.0 VAR 0 CALH 1.3 TOT UBS 1401 3940	NO DIR 0-6 7-16 17-27 N 7.1 23.3 9.0 NE 5.0 23.1 14.0 E .8 1.6 .6 SE .2 .2 .2 S .2 .2 .1 SW 7. 4 .2 M 1.2 1.0 .1 VAR 0 0 0 CALH 1.3 TOT UBS 1401 3940 1793	NO DIR 0-6 7-16 17-27 28-40 N 7.1 23.3 9.0 8 NE 5.0 23.1 14.0 1.5 E 8 1.6 6 1 SE .2 .2 * 0 S .2 .2 1 0 SW 7 .4 .2 0 M 1.2 1.0 .1 0 VAR 0 0 0 0 0 CALM 1.3 TOT OBS 1401 3940 1793 175	NO DIR 0-6 7-16 17-27 28-40 41+ N 7.1 23.3 9.0 8 * NE 5.0 23.1 14.0 1.5 .1 E 8 1.6 6 1 .0 SE 2 2 2 1 .0 .0 SN 7 4 2 0 .0 M 1.2 1.0 .1 .0 .0 NW 2.6 4.0 .5 * .0 VAR 0 0 0 0 0 0 0 CALM 1.3 TOT OBS 1401 3940 1793 175 8	NO DIR 0-6 7-16 17-27 28-40 41+ TOTAL ORS N 7.1 23.3 9.0 8 * NE 5.0 23.1 14.0 1.5 .1 E 8 1.6 .6 .1 .0 SE .2 .2 * .0 .0 S .2 .2 .1 .0 .0 S .7 .4 .2 .0 .0 NW 1.2 1.0 .1 .0 .0 NW 2.6 4.0 .5 * .0 VAR .0 .0 .0 .0 .0 CALM 1.3 TOT OBS 1401 3940 1793 175 8 7317	WND DIR 0-6 7-16 17-27 28-40 41+ TOTAL PCT ORS FREQ N 7.1 23.3 9.0 8 * 40.2 8.5 8.5 8.2 9.2 * 0.0 0.0 4.5 5.5 9.2 9.2 1.0 0.0 0.4 8.5 8.2 9.2 1.0 0.0 0.4 8.5 8.2 9.2 1.0 0.0 0.5 8.5 9.2 9.2 1.0 0.0 0.0 1.4 9.3 9.4 9.5 9.5 9.5 9.5 9.5 9.5 9.5 9.5 9.5 9.5	NO DIR 0-6 7-16 17-27 28-40 41+ TUTAL PCT MEAN FREQ SPD NO 1.23.3 9.0 .8 4 40.2 12.3 NE 5.0 23.1 14.0 1.5 .1 43.7 14.1 E 8 8 1.6 .6 1 .0 3.0 11.3 SE .2 .2 4 .0 .0 .4 7.1 S .2 .2 .1 .0 .0 .4 7.1 S SW .7 .4 .2 .0 .0 1.4 8.0 NW 1.2 1.0 .1 .0 .0 2.3 7.5 NW 2.6 4.0 .5 8.0 7.1 8.0 NW 2.6 4.0 .5 8.0 7.1 9.0 YAR .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	WND DIR 0-6 7-16 17-27 28-40 41+ TOTAL PCT MEAN 00 ORS FREQ SPD 03 N 7.1 23.3 9.0 8 * 40.2 12.3 40.9 NE 5.0 23.1 14.0 1.5 1 43.7 14.1 43.9 E 8 1.6 6 1 0 3.0 11.3 2.6 SE 2 2 * 0 0 0 4.4 7.1 2.2 S 2 2 * 1 0 0 0 4.4 7.1 2.2 S 5 2 2 2 1 0 0 0 1.4 8.0 1.6 M 1.2 1.0 1.1 0 0 0 2.3 7.5 2.4 NW 2.6 4.0 5 * 0 7.1 9.0 6.5 VAR 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	WND DIR 0-6 7-16 17-27 28-40 41+ TOTAL PCT HEAN 00 06 NO ORS FREQ SPD 03 09 N 7.1 23.3 9.0 8 * 40.2 12.3 40.9 39.7 NE 5.0 23.1 14.0 1.5 1 43.7 14.1 43.9 43.7 E 8 1.6 6 1 0 3.0 11.3 2.6 3.6 SE 2 2 1 0 0 0 4.4 7.1 2 3 5 2.2 1 2 0 0 0 1.4 8.0 1.5 5 5 2.5 2 1 1 0 0 0 2.3 7.5 2.4 2.3 NW 1.2 1.0 1.0 0 2.3 7.5 2.4 2.3 NW 2.6 4.0 5 * 0 7.1 9.0 6.5 7.3 VAR 0.0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	WND DIR 0-6 7-16 17-27 28-40 41+ TOTAL PCT MEAN 00 06 12 N 7.1 23.3 9.0 .8 * 40.2 12.3 40.9 39.7 39.5 NE 5.0 23.1 14.0 1.5 .1 43.7 14.1 43.9 43.7 45.7 E .8 1.6 .6 .1 .0 3.0 11.3 2.6 3.6 2.9 SE .2 .2 * * 0 .0 .0 .4 7.1 .2 .3 .4 S .2 .2 .1 .0 .0 .0 .5 8.5 .5 .2 .2 .3 SW .7 .4 .2 .0 .0 .0 1.4 8.0 1.6 1.2 1.6 M 1.2 1.0 .1 .0 .0 2.3 7.5 2.4 2.3 2.5 NW 2.6 4.0 .5 * 0 7.1 9.0 6.5 7.3 6.9 VAR .0 .0 .0 .0 .0 .0 .0 .0 .0 CALM 1.3 TOT OBS HOTO

JUNE

PERIOD: (PRIMARY) 1915-1973 (OVER-ALL) 1855-1973

TABLE 4

AREA 0004 CANARY ISLANDS 28.0N 15.2W

PERCENTAGE	FREQUENCY	OF	WIND	SPEED	BY	HOUR	(GMT)

HOUR	CALM	1-3	4-10	WIND	SPEED (KNOTS) 34-47	48+	MEAN	PCT	TOTAL
00603	1.4	3.6	41.0	44.0	9.3	.7	.0	12.5	100.0	1568
90300	1.6	4.0	41.5	44.4	8.1	.4	.0	12.1	100.0	2172
12615	1.2	4.4	35.4	49.4	9.1	.3	.0	12.7	100.0	1445
18821	.9	4.5	37.1	47.9	9.1	.5	.0	12.6	100.0	2132
TOT	95	303	2848	3390	646	35	0	12.4		7317
PCT	1.3	4.1	38.9	46.3	8.8	. 5	-0		100.0	

P	CT FRE			CLOUD A		(EIGHTHS)							CEILIN NH <5/					
WND DIR	0-2	3-4	5-7	0BSCD	TOTAL DBS	CLOUD COVER	000 149	150 299	300 599	999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL
N	15.4	9.6	13.1	10.5		4.3	.1	.1	.3	2.9	8.1	5.9	2.5	.7	.4	.4	27.3	
NE	12.7	6.3	9.0	6.4		4.0		.0	.2	2.3	4.6	4.2	1.7	.3	.4	.3	20.3	
E	.4	.2	.4	.4		4.4	.0	.0	.0	• 1	.1	.2	.2	.1	.0	.0	.7	
SE	.2		.1			3.4	.0	.0	*	.0	.0	*		.0	.0	.0	. 2	
S	.3	.2	.4	.1		3.9	.0	.0		.0	.1	.2	.0	.0	.0		.6	
SW	.7	.4	.3	.1		3.5	.0	.0	.0	.0	.1	.1	.1	.0		*	1.2	
W	1.1	.7	.8	.2		3.5	.0	.0	.1	•1	.3	.2	.1	.0	.0	.0	2.0	
NW	3.0	2.0	2.5	. 9		3.9		.0	.0	.4	. 8	1.0	. 3				5.9	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.8	.1	.5	.2		3.0	.0	.0		.1		.2	.1	.0		.0	1.1	
TOT OBS	957	535	745	514	2751	4.1		2	19	161	392	328	136	32	23	20	1635	2751
TOT PCT	34.8	19.4	27.1	18.7	100.0		.1	.1	.7	5.9	14.2	11.9	4.9	1.2	.8	.7	59.4	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

				VSBY (NM	1)			
CEILING	- DR	· DR	- OR	# DR	. OR	- DR	- OR	- DR
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
= OR >6500	1.1	1.6	1.7	1.7	1.7	1.7	1.7	1.7
■ DR >5000	2.1	2.8	2.9	2.9	2.9	2.9	2.9	2.9
■ DR >3500	6.4	7.6	7.8	7.9	7.9	7.9	7.9	7.9
■ DR >2000	15.6	19.2	19.6	19.6	19.6	19.7	19.7	19.7
■ Og >1000	26.4	32.8	33.6	33.7	33.7	33.8	33.8	33.8
■ DR >600	30.7	38.3	39.4	39.5	39.5	39.5	39.5	39.5
■ OR >300	31.0	38.9	40.1	40.1	40.1	40.2	40.2	40.2
# OR >150	31.1	39.0	40.1	40.2	40.2	40.3	40.3	40.3
. DR > 0	31.1	39.0	40.2	40.3	40.3	40.4	40.4	40.4
TOTAL	872	1093	1126	1128	1129	1130	1131	1131

TOTAL NUMBER OF OBS: 2800 PCT FREQ NH <5/8: 59.6

TABLE 7A

PERCENTAGE FREQ UF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 DBSCD DBS 16.4 11.9 12.6 11.1 7.0 5.3 8.1 10.3 17.3 .1 2952

JUNE

PERIOD: (PRIMARY) 1915-1973 (OVER-ALL) 1855-1973

TABLE 8

AREA 0004 CANARY ISLANDS 28.0N 15.2W

		P	ERCENT		PITATI							CURRENC	E OF
VSBY (NM)		N	NE	E	SE	5	SW	W	NW	VAR	CALM	PCT	TOTAL
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
(1/2	NO PCP	.0	.0		.0	.0	.0	.0	.0	.0	.0		
	TOT %	.0	.0		.0	.0	.0	.0	.0	.0	.0		
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	NO PCP	.4	.3	.0	.0	.0	.1	.0	. 1	.0	.0	. 8	
	TOT %	.4	.3	.0	.0	.0	. 1	.0	.1	.0	.0	.8	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
142	NO PCP	.2	.1	.0	.0	.0	.0	.0	.1	.0		.3	
	TOT %	.2	.1	.0	.0	.0	.0	.0	.1	.0		.3	
	PCP		.0	.0	.0	.0	.0	.0		.0	.0	.1	
2<5	NO PCP	1.2	.4	.0	.0		.1	.1	.3	.0		2.1	
	TOT %	1.2	.4	.0	.0		.1	. 1	. 3	.0		2.1	
	PCP	.2	.1		.0	.0		.1	.1	.0	.0	.5	
5<10	NO PCP	11.4	9.8	.8	.1	.3	.2	. 5	2.0	.0	.4	25.6	
	TOT &	11.6	9.9	.8	.1	.3	.3	.6	2.1	.0	.4	26.0	
	PCP	.1	.2		.0	.0	.0	.1	.1	.0	.0	.3	
+01	NO PCP	33.7	24.8	.9.	.2	.6	1.2	2.1	5.9	.0	.9	70.3	
	TOT %	33.8	25.0	.9	.2	.6	1.2	2.2	5.9	.0	.9	70.6	
	TOT OBS												3491
	TOT PCT	47.2	35.6	1.7	. 3	. 9	1.6	2.8	8.5	-0	1.4	100.0	

TABLE 9

				*	ITH VA	RYING	VALUE.	S OF V	151811	177			
VSBY (NM)	KTS	N	NE	E	SE	S	SW	*	NW	VAR	CALM	PCT	TOTAL
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	*	.0	.0	.0	.0	.0	.0		*	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	*	.0	.0	.0	.0	.0	.0	.0		
	0-3		.0	.0	.0	.0	.0	.0		.0	.0		
1/2<1	4-10	.1	.1	.0	.0	.0		.0		.0		.2	
	11-21	.1	.1	.0	.0	.0	*	.0	.1	.0		.3	
	22+	*	*	.0	.0	.0	.0	.0	.0	.0		.1	
	TOT %	.3	.2	.0	.0	.0	*	.0	.1	.0	.0	.6	
	0-3		.0	.0	.0	.0	.0	.0	.0	.0			
1<2	4-10	.1		.0	.0	.0	.0	.0	*	.0		.2	
	11-21	*	.0	.0	.0	.0	.0	.0	.0	.0		*	
	22+		*	.0	.0	.0	.0	.0	*	.0		.1	
	TOT #	. 2	. 1	.0	.0	.0	.0	.0		.0	*	.3	
	0-3	.0	.0	.0	.0	.0		.0	.0	.0			
2<5	4-10	.2	.1	.0	.0	*	*	*	. 1	.0		.5	
	11-21	.7	.2	.0	.0	*	*	*	. 1	.0		1.0	
	22+	.1	.1	.0	.0	.0	.0	.0		.0		1.8	
	TOT %	1.0	.4	.0	.0	*	. 1	*	.2	.0		1.8	
	0-3	-1	.3	:1				.1	.2	.0	.3	1.1	
5<10	4-10	3.4	2.5	.3	.1	.1	.1	.3	.9	.0		7.6	
	11-21	5.2	4.7	. 2	*	*	.1	.1	.5	.0		10.8	
	22+	1.0	1.5	*	.0	.0	*	*		.0		2.6	
	TOT \$	9.6	9.0	.7	.1	•2	.2	.4	1.6	.0	.3	22.1	
	0-3	1.2	.5	.1	.1	.1	.3	.1	.5	.0	1.0	3.8	
10+	4-10	12.1	8.9	.6	. 1	.2	. 4	1.4	3.5	.0		27.4	
	11-21	17.0	17.4	.7	. 1	.2	.3	.3	1.4	.0		37.3	
	22+	2.5	3.9	.1	.0	.0	*	.0	.1	.0		6.7	
	TOT %	32.8	30.7	1.5	.2	.4	1.1	1.9	5.5	.0	1.0	75.2	
T	OT DBS	43.9	40.3					2.3	7.5				4961

JUNE

PERIOD: (PRIMARY) 1915-1973 (OVER-ALL) 1855-1973

TABLE 10

AREA 0004 CANARY ISLANDS 28.0N 15.2W

PERCENT	FREQUENCY	OF (CEILING	HFIGHTS	(FEET, NH	>4/81	AND

HOUR (GHT)	000	150 299	300 599	600	1000	2000 3499	3500 4999	5000	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL
00803	.2	.0	.0	5.3	10.4	11.3	4.7	1.2	.9	1.4	35.1	64.9	666
06609	.0	.1	1.4	7.9	19.5	16.1	6.8	1.4	1.1	.7	54.8	45.2	735
12615	.1	.0	.9	5.5	14.0	11.1	4.4	1.3	. 8	1.2	39.2	60.8	767
18621	.1	.1	.3	3.8	10.7	8.0	3.4	.7	.6	•1	27.9	72.1	710
TOT	3	.1	19	162	395	335	139	33	24	24	1136	1742	2878

TABLE 11

TABLE 12

		PERCENT	FREQUEN	CY VSBY	(NM)	BY HOUR		CUMULAT	IVE PCT	FREQ G HGT	OF RAN	GES OF NH >4/8	VSBY (NM)	AND/OR
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL
00603	.1	.5	.3	1.3	19.7	78.1	1117	00603	.2	.2	7.0	30.5	62.6	633
90360	•2	.6	•1	1.9	27.6	69.6	1432	90360	•0	1.8	12.6	44.9	42.5	722
12615	•0	.3	.4	2.1	18.5	78.7	1153	12615	•1	1.1	8.9	32.1	59.0	754
18621	.0	1.2	.4	1.7	22.5	74.3	1363	18621	.1	.6	5.9	23.2	70.9	691
TOT	.1	35	15	89	1134	3788 74.8	5065 100.0	TOT	3	26	243	919 32.8	1638 58.5	2800 100.0

ſΑ	BL	Ε	13		

TABLE 14

	PERCI	ENT FRE	EQUENC	Y OF R	ELATIV	HUMI	DITY BY	Y TEMP	TOTAL	PCT		PERC	ENT FRE	QUENCY	OF W	IND DI	RECTIO	N BY T	EMP	
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100		FREQ	N	NE	E	SE	S	SW	W	NW	VAR	CALM
85/89	.0		.0	.0	.0	.0	.0	.0	1		.0	.0	.0	.0	.0	.0			.0	.0
80/84	.0	.0		.0	.1	.0	.0	.0	3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
75/79	.0	.0		.3	.7	1.3	.1	.2	72	2.6	1.1	1.3		.0	.0	.0	*	. 2	.0	
70/74	.0	.0	.0	.4	5.7	14.1	8.6	2.2	843	30.9	15.1	10.3	.5	.1	.3	.6	.9	2.7	.0	.4
65/69	.0	.0	.0	.3	4.9	24.6	25.9	8.2	1745		30.6	23.1	.9	.1	.4	. 9	2.0	5.6	.0	.3
60/64	.0	.0	.0	.0	.1	.7	1.0	.6	65	2.4	1.3	.6	.1	.0		.1	.2	.1	.0	. 1
TOTAL	0	1	2	26	316	1109	970		2729	100.0										
PCT	.0	*	.1	1.0	11.6	40.6	35.5	11.2			48.1	35.3	1.5	.2	. 8	1.5	3.2	8.6	.0	. 8

TABLE 15

TABLE 16

	MEANS,	EXTREM	ES AND	PERCEN	TILES	OF TE	MP (DE	G F) B	Y HOUR		PERC	ENT FRE	QUENCY	OF RELA	TIVE H	UMIDITY	BY HOU	1
HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL	HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
00603	81	73	71	68	64	63	58	67.6	1576	60300	.0	.0	3.3	32.7	47.5	16.6	82	670
90300	81	74	72	68	64	63	59	67.7	2178	90360	.0	.7	6.3	38.3	40.8	13.9	80	726
12615	86	79	76	71	67	65	62	71.0	1421	12615	.0	2.6	23.5	45.1	22.1	6.7	75	701
18621		78	75	70	66	64	62	70.1	2103	18621	.0	1.1	12.8	46.5	31.1	8.5	78	697
TOT	86	77	74	69	65	63	58	69.0	7278	TOT	0	31	322	1137	986		79	2794

PERIOD: (PRIMARY) 1915-1973 (OVER-ALL) 1855-1973

TABLE 17

AREA 0004 CANARY ISLANDS 28.0N 15.2W

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA	57	61	65	69	73 76	77 80	81	85 88	тот	FOG	FOG
INF DIF	80	04	00	12	10	80	04	00		FUG	FUU
17/19	.0	.0	.0	.0	.0	.0	.1		3	.0	.1
14/16	.0	.0	.0		.0	.0	.1	.0	3 4	.0	.1
11/13	.0	.0	.0	.1	.1	.2	. 1	.0	14	*	.4
9/10	.0	.0	.2	.0	.2	.3	.1	.0	26	.0	.8
7/8	.0	.0		.0	1.1	.3	*	.0	52	.1	1.6
6 5	.0	.0	.1	.5	.5	.1	.0	.0	37	.1	1.0
5	.0	.0	.2	1.2	1.5	.1	.0	.0	97	.2	2.9
4	.0	.0	. 6	2.0	1.4		.0	.0	135	.2	4.1
3 2 1	.0	.0	.7	3.6	1.2	.0	.0	.0	175	.2	5.3
2	.0		2.1	6.1	1.2		.0	.0	300	.3	9.1
1	.0	.2	4.8	9.7	.3	.0	.0	.0	482	.4	14.7
0 -1 -2 -3	.0	.4	12.1	10.0	.4		.0	.0	729	. 8	22.1
-1	.0	.3	12.7	4.9	.1	.0	.0	.0	572	.4	17.6
-2		.7	6.1	1.7	.2	.0	.0	.0	275	.2	8.4
-3	.0	.4	2.6	.8	.0	.0	.0	.0	121	.1	3.7
-4	.0	.6	1.6	.3	.0	.0	.0	.0	79	*	2.5
-5	.0	.5	.9	.3	.0	.0	.0	.0	53	.1	1.6
-6	.0	.2	.2	.2	.0	.0	.0	.0	16	.0	.5
-7/-8	.0	.1	.1		.0	.0	.0	.0	7	*	.2
-9/-10		:1		.0	.0	.0	.0	.0	4	.0	3079
TOTAL	3		1439		260		12			102	3079
		107		1323		36		1	3181		
PCT	.1	3.4	45.2	41.6	8.2	1.1	.4	*	100.0	3.2	96.8

PERIOD: (DVER-ALL) 1963-1973

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT) HGT <1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60 61-70 71-887+ TGT PCT 48+ 1-3 48+ 1-3 48+ HGT
<1
1-2
3-4
5-6
7
8-9
10-11
12
13-16
17-19
23-25
26-32
33-40
41-48
49-60
61-70
71-86
PCT 1-3

TABLE 18 (CONT) PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT) HGT 1-3 4-10 11-21 22-33 34-47 48+ PCT 1-3 4-10 11-21 22-33 34-47 48+ P	0 .3 0 .5 0 .6 0 .2 0 .1 0 .1 0 .0 0 .0 0 .0	
HGT 1-3 4-10 11-21 22-33 34-47 48+ PCT 1-3 4-10 11-	0 .3 0 .5 0 .6 0 .2 0 .1 0 .1 0 .0 0 .0 0 .0	
HGT 1-3 4-10 11-21 22-33 34-47 48+ PCT 1-3 4-10 11-21 22-33 34-47 48+ C1 1.0 1.2 1.2 2-33 34-47 48+ C1 1.0 1.0 1.2 1.2 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	0 .3 0 .5 0 .6 0 .2 0 .1 0 .1 0 .0 0 .0 0 .0	
C1	0 .3 0 .5 0 .6 0 .2 0 .1 0 .1 0 .0 0 .0 0 .0	
1-2 1 2 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 .5 0 .6 0 .2 0 .1 0 .1 0 .0 0 .0 0 .0 0 .0	
3-4 0 11 .4 0 0 0 10 .5 .0 .2 .3 .1 0 0 .7 .5 .6 .6 .0 .0 .1 .0 .0 .2 .3 .1 .0 0 .7 .5 .6 .0 .0 .0 .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	0 .6 0 .2 0 .1 0 .1 0 .0 0 .0 0 .0 0 .0 0 .0	
5-6	0 .2 0 .1 0 .1 0 .0 0 .0 0 .0 0 .0 0 .0	
7	0 .1 0 .1 0 .0 0 .0 0 .0 0 .0 0 .0	
8-9	0 .1 0 .0 0 .0 0 .0 0 .0 0 .0 0 .0	
10-11	0 .0 0 .0 0 .0 0 .0 0 .0	
12	0 .0 0 .0 0 .0 0 .0	
13-16	0 .0 0 .0 0 .0 0 .0	
20-22	0 .0	
23-25 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 .0	
26-32	0 .0	
33-40		
41-48		
49-60 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		
61-70		
71-86 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0		
HGT 1-3 4-10 11-21 22-33 34-47 48+ PcT 1-3 4-10 11-21 22-33 34-47 48+		
TOT PCT .1 .4 .6 .0 .0 .0 1.1 .3 .4 .9 .1 .0 .1 HGT 1-3 4-10 11-21 22-33 34-47 48+ PcT 1-3 4-10 11-21 22-33 34-47 48+		
HGT 1-3 4-10 11-21 22-33 34-47 48+ PcT 1-3 4-10 11-21 22-33 34-47 48-		
HGT 1-3 4-10 11-21 22-33 34-47 48+ PCT 1-3 4-10 11-21 22-33 34-47 48		
	+ PCT	TOTAL
		PCI
\(\begin{array}{cccccccccccccccccccccccccccccccccccc		
1-2 ·0 1.2 ·2 ·0 ·0 ·0 1.3 ·3 3.2 ·6 ·0 ·0 ·0 ·0 ·1 3-4 ·0 ·4 ·3 ·0 ·0 ·0 ·7 ·0 1.1 1.4 ·1 ·0 ·1		
	0 .6	
	0 .0	
	0 .1	
	0 .1	
12 .0 .0 .0 .0 .0 .0 .0 .0 .1 .0 .1 .0		
	0 .0	
17-19 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	0 .0	
20-22 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	0 .0	
23-25 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0		
26-32 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0		
33-40 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0		
41-48 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0		
49-60 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0		
61-70 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0		
71-86 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0		
87+ .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0		97.8
TOT PCT .1 2.2 .7 .0 .0 .0 2.9 .5 5.2 2.5 .3 .0 .0		97.8

	MIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	3.8	4.0	.3	.0	.0	.0	8.0	003
1-2	• 7	17.7	8.5	.0	.0	.0	26.9	
3-4	• 2	7.2	22.8	1.5	.0	.0	31.6	
5-6	•1	1.4	15.2	3.3	.1	0	20.0	
7	•0	.2	6.2	2.2	.1	.0	8.6	
8-9	•0	.0	1.8	.9	.0	.0	2.7	
10-11	•0	.0	.3	1.1	.1	.0	1.5	
12	•0	.1	.0	.2	.0	.0	.3	
13-16	•0	.0	.1	.3	.0	.0	.4	
17-19	•0	.0	.0	.0	.0	.0	.0	
20-22	•0	.0	.0	.0	.0	.0	.0	
23-25	•0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	•0	.0	.0	.0	.0	.0	.0	
49-60	•0	.0	.0	.0	.0	.0	.0	
61-70	•0	.0	.0	.0	.0	.0	.0	
71-86	• 0	.0	.0	.0	.0	.0	.0	
87+	• 0	.0	.0	.0	.0	.0	.0	
	- 10							1858
TOT PCT	4.7	30.6	55.1	9.4	.3	.0	100.0	

PERIOD: (PRIMARY) 1920-1973 (OVER-ALL) 1855-1973

TABLE 1

AREA 0004 CANARY ISLANDS 28.0N 15.1W

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

PRECIPITATION TYPE											DTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUS BLWG SNO	
N NE	:0	.1	:1	:0	.0	•0	:	:3	:1	.3	3.7	.0	6.7	.3	88.7
Ε	.0	.8	.0	.0	.0	.0	.0	.8	.0	.0	6.5	1.2	4.8	.0	86.7
SE	.0	•0	.0	.0	.0	•0	.0	.0	.0	11.1	11.1	.0	.0		77.8
S	.0	•0	5.4	.0	.0	.0	.0	5.4	.0	.0	8.1	.0	8.1		78.4
SW	.0	.0	2.0	.0	.0	.0	.0	2.0	.0	.0	8.8	.0	4.9		84.3
	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		100.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	7.2	.0	7.2	1.0	84.3
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	•0	.0	.0	.0	•0	.0	.0	.0	.0	10.5	.0	5.3	.0	84.2
TOT PCT TOT OBS:	3923	.2	.1	.0	.0	•0		.3	.1	.2	3.7		6.4	.4	88.9

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			F	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	ND SIG WEA
00603 06609 12615 18621	.1 .0 .0	•1 •4 •0 •2	.0	.0	.0		.1 .0 .0	.6 .5 .0	.1 .2 .0	.3 .4 .0	3.2 4.1 3.7 3.9	.1 .0 .0	4.2 5.7 7.7 7.7	.4	90.9 66.7 88.3 87.7
TOT PCT	3984	•2	.1	.0	.0	•0		.3	•1	.2	3.8		6.4	.4	88.8

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

			WI	ND SPE	ED (KN	DTS)								HOUR	(GMT)	,		
	WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	PCT	MEAN	00	03	06	09	12	15	18	21
	N NE	.6	11.5	22.7	5.5	:4	.0		40.8	14.7	40.5	48.6	41.8	35.5	41.6	51.8	42.2	37.7 52.1
	8	. 1	. 8	1.2	.3		.0		2.4	13.9	2.5	.0	2.1	3.3	2.7	.0	2.1	2.4
ŧ.	SE		.2	.1		.0	.0		.4	9.9	.3	.0	.4	. 2	.3	1.2	.3	.8
	S	*	.1	.1	*		.0		.2	11.6	.3	.0	.1	.1	.3	.0	.2	.2
	SW		.3	.1		.0	.0		.5	8.5	.4	.0	.7	.2	.5	.0	.5	.6
	W	.1	.6	*		.0	.0		. 8	6.7	1.1	.0	.9	.7	.6	.0	.3	1.2
	NW	.3	2.0	1.3	.2		.0		3.8	10.4	4.0	2.3	3.9	3.1	3.9	4.5	3.6	4.2
	VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	CALM	.7							.7	.0	1.0	.0	.5	.7	.7	.0	.6	.7
	TOT DBS	177	2026	4143	1278	98	0	7722		15.1	1569	88	1557	693	1448	83	1479	805
	TOT PCT	2.3	26.2	53.7	16.6	1.3	.0		100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

				(KNOTS)						HOU	R (GMT)
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL	PCT	MEAN	00	06	12	18
						ORS	FREQ	SPD	03	09	15	21
N	3.6	21.9	13.4	1.8	.1		40.8	14.7	40.9	39.9	42.1	40.6
NE	2.7	23.0	21.1	3.6	.1		50.5	16.4	49.9	51.6	49.1	50.8
E	.4	1.2	.7	.1			2.4	13.9	2.3	2.5	2.5	2.2
SE	.2	.1	. 1		.0		.4	9.9	.3	.3	.4	.5
5	.1	.1	*		.0		.2	11.6	.3	.1	.2	.2
SW	. 2	.2	*	.0	.0		. 5	8.5	.4	.5	.5	.5
W	.5	.2		.0	.0		. 8	6.7	1.0	.9	.5	.6
NW	1.2	2.0	.5	.1	.0		3.8	10.4	3.9	3.7	3.9	3.8
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	.7						.7	.0	.9	.6	.7	.7
TOT OBS	735	3765	2773	434	15	7722		15.1	1657	2250	1531	2284
TOT PCT	9.5	48.8	35.9	5.6	. 2		100.0		100.0	100.0	100.0	100.0

							JULY					
PERIOD: (PRIMARY) 1	920-197 855-197						TABLE 4				AREA	0004 CANARY ISLAND 28.0N 15.1W
			PER	CENTAGE	FREQUE	ENCY OF	WIND SP	EED BY	HOUR	(GMT)		
	HOUR	CALM	1-3	4-10			(KNOTS) 34-47	48+	MEAN	PCT	TOTAL	
	00803	.9	1.0	27.1	52.5	17.3	1.3	.0	14.9	100.0	1657 2250	
	12615 18621 TOT	.7 .7 53	2.0	25.7 24.7 2026	54.5 4143	16.7 17.1 1278	1.1	.0		100.0	1531 2284 7722	
	PCT	.7	1.6	26.2	53.7	16.6	1.3	.0		100.0		

			T	ABLE 5								TA	ABLE 6					
	PCT FRE	Q OF T	OTAL Y WIN	LOUD A	MOUNT (ETGHTHS)			PERCEN	TAGE F	REQUEN	ICY OF	CEILIN NH <5/	B BY W	HTS (T,NH	4/8) JN	
WND DIR	0-2	3-4	5-7	8 & DBSCD	TOTAL	CLOUD COVER	000	150 299	300 599	600 999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	
N	19.6	6.6	11.8			3.9	.1	.1	.7	2.8	7.2	5.8	1.7	.6	• 2	.6		
NE E	20.8	5.7	9.9	7.5		4.0	.1	.0	.3	2.2	4.8	5.0	1.5	.5	•1	.6	28.8	
SE	.1	*	.1	*		3.5	.0	.0	.0	*	*	.0	*	.0	.0	.0	.2	
S	.2	.1				2.7	.0	.0	*	.0	.0	.0	.0	*	*	.0	.2	
SW	.4	.1	.1	.1		2.7		.0	*	.0	*	.0	*	.1	*	*	.5	
W	.3	.1	*	*		2.0	.0	.0	.0	.0	*	*	.0	.0	.0	.0	.5	
NW	2.0	.4	.6	.7		3.1	.1	.0	*	.1	.3	.3	.2	.1		*	2.5	
VAR	.0	.0	.0	.0		.0	.0	.0	. 0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.6		.0			.6	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	
TOT OBS		415	726	612	3157	3.6	10	3	33	167	396	360	114	42	12	40	1980	3157
TOT PCT	44.5	13.1	23.0	19.4	100.0		.3	.1	1.0	5.3	12.5	11.4	3.6	1.3	.4	1.3	62.7	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE

OF CEILING HEIGHT (NH >4/8) AND VSBY (NH)

				VSBY (NH	1)			
CEILING	- DR	· OR	- DR	- OR	· DR	- OR	- OR	- DR
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
DR >6500	.9	1.5	1.6	1.6	1.6	1.6	1.6	1.6
OR >5000	1.8	2.8	2.9	2.9	2.9	2.9	2.9	2.9
DR >3500	4.4	6.3	6.6	6.6	6.6	6.6	6.6	6.6
DR >2000	11.9		17.9	18.0	18.0	18.0	18.0	18.0
DR >1000	21.0	29.0	30.4	30.4	30.4	30.4	30.4	30.4
DR >600	24.6	34.1	35.7	35.8	35.8	35.8	35.8	35.8
DR >300	25.0	35.0	36.7	36.8	36.8	36.8	36.8	36.8
OR >150	25.0	35.0	36.7	36.9	36.9	36.9	36.9	36.9
DR > 0	25.0	35.1	37.0	37.1	37.1	37.1	37.2	37.2
TOTAL	792	1111	1171	1175	1176	1177	1179	1179
	DR >6500 DR >5000 DR >3500 DR >2000 DR >1000 DR >600 DR >300 DR >150 DR > 0	GR >6500 .9 GR >5000 1.8 GR >5000 1.8 GR >5000 11.9 GR >2000 11.9 GR >2000 21.0 GR >600 24.6 GR >300 25.0 GR >0 GR >0	(FEET) >10 >5 OR >6500	(FEET) >10 >5 >2 OR >55000	CEILING OR OR OR OR OR OR OR OR FEET? SIGN STATES OR SIGN STATES OR SIGN SIGN SIGN SIGN SIGN SIGN SIGN SIGN	(FEET) >10 >5 >2 >1 >1/2 UR >55000 1.8 2.8 2.9 2.9 2.9 UR >55000 1.8 2.8 2.9 2.9 2.9 UR >55000 1.8 2.8 2.9 2.9 UR >25000 1.9 17.0 17.9 18.0 18.0 UR >25000 21.0 29.0 30.4 30.4 30.4 30.4 UR >2500 24.6 34.1 35.7 35.8 35.8 UR >150 25.0 35.0 36.7 36.8 36.8 UR >150 25.0 35.0 36.7 36.9 36.9 UR > 0R > 0R > 0R > 35.1 37.0 37.1 37.1	CEILING *** OR *** OR	CEILING BOR BOR

TOTAL NUMBER OF OBS: 3169 PCT FREQ NH <5/8: 62.8

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 OBSCD OBS 28.6 10.4 9.4 7.8 5.9 5.2 6.7 9.2 16.5 .3 3347

JULY

PERIOD:	(PRIMARY)	1920-197
	INVER ALL	1066 107

TABLE 8

AREA 0004 CANARY ISLANDS 28.0N 15.1W

		P	ERCENT	PRECI	PITATI	DIREC	TION V	ING V	ALUES (F VIS	IBILIT	URRENC	E OF
VSBY		N	NE	ε	SE	5	SW	*	NW	VAR	CALM	PCT	TOTAL
	PCP	.0		.0	.0	.0	.0	.0	.0	.0	.0		
1/2	NO PCP	.1	.0	.0	.0	.0	*	.0	.0	.0	*	.1	
	TOT %	.1		.0	.0	.0	*	.0	.0	.0		.1	
	PCP	.0	.0	:0	.0		.0	:0	.0	.0	.0		
12<1		.3	.6	.1	.0	.0	.0	.0		.0	.0	1.0	
	TOT &	.3	.6	.1	.0			.0		.0	.0	1.0	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<2	NO PCP	.5	.5	*	.0	.0	.0	.0	.1	.0	.0	1.1	
	TOT %	.5	.5		.0	.0	.0	.0	.1	.0	.0	1.1	
	PCP	.0	.0	:0	.0	.0	.0	.0	.0	.0	.0	.0	
<5	NO PCP	2.2	1.3	.1	.0		.1	.0	.3	.0	.1	4.1	
	TOT %	2.2	1.3	.1	.0	*	.1	.0	.3	.0	.1	4.1	
	PCP	.1	.1		.0	.0	.0	.0	.0	.0	.0	.3	
<10	NO PCP	15.5	15.8	.5	.1		.1	.2	1.6	.0	.1	34.1	
	TOT %	15.7	15.9	.6	.1		.1	.2	1.6	.0	.1	34.4	
	PCP		.0	.0	.0	.0	.0	.0	.0	.0	.0		
0+	NO PCP	28.8	26.6	.0 .8 .8	.1	.2	.4	.4	1.8	.0	.2	59.3	
	TOT %	28.8	26.6	. 8	• 1	. 2	.4	. 4	1.8	.0	•2	59.3	
	TOT DBS												391
	TOT PCT	47.6	44.9	1.6	. 2	.2	.7	.6	3.8	.0	.5	100.0	

TABLE S

				PERCENT					VS WI		ED		
VSBY	SPD	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL
(MM)	KTS	"	146	-	45	,	34			***	CALI		085
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	*	*	
<1/2	4-10	*	.0	.0	.0	.0	.0	.0	.0	.0		*	
	11-21	.0	.0	.0	.0	.0	*	.0	.0	.0		*	
	22+	:		.0	.0	.0	.0	.0	*	.0		*	
	TOT %		*	.0	.0	.0	*	.0	*	.0	*	.1	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1		.1	.1	.0	.0	.0	.0	.0	.0	.0		.1	
	11-21	.1	.3	.1	.0	*	*	.0	*	.0		.5	
	22+	*	.1	.0	.0	.0	.0	.0	.0	.0		.7	
	TOT %	.2	.4	•1	.0		*	.0	*	.0	.0	.7	
	0-3	*	.0	.0	.0	.0	.0	.0	.0	.0	.0		
1<2	4-10	.1	.1	*	.0	.0	.0	.0	.1	.0		.3	
	11-21	.3	.2	.0	.0	.0	.0	.0		.0		.5	
	22+		.1	.0	.0	.0	.0	.0	.0	.0		.1	
	TOT %	.4	.4	*	.0	.0	.0	.0	.1	.0	.0	.9	
	0-3			.0	.0	.0	.0	.0		.0	.1	.2	
2<5	4-10	.5	.1	*	*	*	*	.0	. 2	.0		.9	
	11-21	1.1	. 8	*	.0	.0	*	.0	.1	.0		2.1	
	22+	.4	.5		.0	.0	.0	.0	.1	.0		1.0	
	TOT %	2.1	1.5		*	*	*	.0	.3	.0	.1	4.1	
	0-3	.2	.1		*	.0	*	*		.0	.1	.6	
5<10		3.5	2.7	.1	*	.0	.1	. 1	.5	.0		7.0	
	11-21	7.5	8.1	.3	*		*	.0	.6	.0		16.6	
	22+	3.0	4.3		*	*		*	.2	.0		7.5	
	TOT %	14.1	15.2	.5	.1	*	.1	.1	1.3	.0	.1	31.6	
	0-3	.3	.1		.0		*	*	.2	.0	.3	1.1	
10+	4-10	7.8	6.0	.3	.1	*	.2	.3	1.0	.0		15.9	
	11-21	16.3	18.0	.6	*	.1	.1	*	.7	.0		35.8	
	22+	3.5	6.1	1		.2	.0	.0	. 1	.0		9.8	
	TOT %	27.9	30.2	1.1	.1	• 2	.3	.4	2.0	.0	.3	62.5	
	TOT DBS												5503
	TOT PCT	44.8	47.8	1.7	.3	. 2	.5	.5	3.7	.0	.6	100.0	

JULY

PERIOD:	(PRIMARY)	1920-1973

TABLE 10

AREA 0004 CANARY ISLANDS 28.0N 15.1W

PERCENT	FREQUENCY	OF	CEILING	HEIGHTS	(FEET, NH	>4/8)	AND
						20.00	

HOUR (GMT)	000	150 299	300 599	999	1000	2000 3499	3500 4999	5000 6499	6500 7999	#000#	TOTAL	NH <5/8 ANY HGT	TOTAL
00603	.9	.0	.9	4.4	12.0	9.3	3.2	.8	.1	1.3	33.0	67.0	752
06609	.1	•2	1.5	7.8	16.3	14.3	5.4	2.1	.4	1.2	49.3	50.7	811
12615	.1	.1	. 8	4.9	11.7	11.8	4.0	1.5	.5	1.2	36.6	63.4	856
18621	.1	.0	.8	3.7	9.0	9.0	1.7	.7	.5	1.2	26.6	73.4	845
TOT	10	3	33	169	398	363	116	42	12	1.2	1186	2078	3264

TABLE 11

TABLE 12

		PERCENT	FREQUEN	CY VSB	(NM)	BY HOUR		CUMULAT	IVE PCT	FREQ IG HGT	OF RAN	GES DF NH >4/8	VSBY (NM)	AND/OR
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL
00603	.2	.6	.6	4.1	26.4	68.0	1232	£0300	1.0	2.2	10.5	26.2	63.3	724
06609	•2	1.1	1.1	3.2	33.4	61.1	1523	90360	•1	2.0	13.6	39.1	47.3	787
12615	.2	.7	.7	4.0	30.0	64.5	1238	12615	.1	1.1	10.2	29.7	60.2	836
18621	.1	.7	1.1	5.1	35.6	57.4	1571	18821	.1	1.0	9.4	21.0	69.6	822
TOT PCT	.2	44	51	228	1765	3467	5564 100.0	TOT PCT	10	1.5	345	919	1905 60.1	3169

•	A	D	1	-	- 1	-

																-				
	PERC	ENT FR	EQUENC	Y OF R	ELATIV	E HUMI	DITY B	Y TEMP		0.07		PERC	ENT FR	EQUENC	OF WI	ND DIR	ECTIO	N BY T	EMP	
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	DBS	FREQ	N	NE	E	SE	S	SW	W	NW	VAR	CALM
85/89	.0	.0	.0	.0	.1	.1	.0	.0	4	.1	.1		.0	.0	.0	*	.0	.0	.0	.0
80/84	.0	.0		.1	.2	.1	.2	.0	19	.6	.3	.3	*		.0	.0	.0	.0	.0	.0
75/79	.0	.0		.3	1.7	3.4	1.7	.3	229	7.4	3.5	3.1	.2	*	.0	.0		.5	.0	.1
70/74	.0	\$0	.0	.2	3.3	20.9	24.8	11.1	1861	60.3	28.8	27.2	.9	.2	.1	.3	.4	2.2	.0	.1
65/69	.0	.0	.0		.6	8.4	16.3	6.1	969	31.4	15.6	14.6	.3		.0	. 1	.1	.7	.0	.1
60/64	.0	.0	.0	.0	.0		.0		2	.1	.0	*	.0	.0	.0	.0			.0	.0
TOTAL	0	0	2	19	180	1017	1326	540	3084	100.0										
PCT	.0	.0	.1	,6		33.0					48.3	45.2	1.4	.3	. 1	.5	.6	3.4	.0	.3

TABLE 15

TABLE 16

	MEANS,	EXTREM	ES AND	PERCEN	TILES	DF TE	MP (DE	G F) 8	Y HOUR		PERCI
HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL	HOUR (GMT)	0-29
00603	83	75	73	69	67	65	61	69.6	1659	00603	.0
90300	82	76	73	70	66	65	59	69.8	2238	90300	.0
12615	86	81	78	72	69	67	63	72.7	1491	12615	.0
18821	85	81	77	72	68	66	63	71.9	2248	18821	.0
TOT	86	79	76	71	67	65	59	71.0	7636	TOT	0

	PERC	ENT FRE	QUENCY	OF RELA	TIVE H	UMIDITY	BY HOUR	1
HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
00603	.0	.4	2.3	25.2	46.9	25.2	84	731
90300	.0	.5	3.6	25.4	46.5	24.0	83	800
12615	.0	1.3	11.4	44.0	35.0	8.3	78	769
18821	.0	.5	5.9	36.5	43.9	13.2	81	813
TOT	0	21	182	1022	1341	547	82	3113

PERIOD: (PRIMARY) 1920-1973 (OVER-ALL) 1855-1973

TABLE 17

AREA 0004 CANARY ISLANDS 28.0N 15.1W

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)

VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

		** -	W-Dr	A IEM	ENAIL	WE DI	· cve		20 17		
AIR-SEA	57	61	65	69	73	77	81	85	TOT	W	WO
THP DIF	60	64	68	72	76	80	84	88		FOG	FOG
14/16	.0	.0	.0	.0	.0	.0	.1	*	3	.1	
11/13	.0	.0	.0	.0		.1	.2	.1	11		.3
9/10	.0	.0	.0		. 2	.4	. 1	.0	25	. 1	.6
7/8	.0	.0		.1	.4	1.0	.2	.0	63	. 2	1.6
6	.0	.0	:	.2	9	.4	.0	.0	57	.1	1.5
5	.0	.0		.6	1.8	.6	.0	.0	108	.1	2.9
4	.0	*	.2	1.5	3.0	.4		.0	183	. 2	4.9
3	.0	.0	.3	3.2	4.1	. 1	.0	.0	279	.4	7.4
2	.0	.0	.6	7.4	3.3	. 2	.0	.0	413	.5	11.0
1	.0	.0	1.3	14.8	2.8	*	.0	.0	678	.6	18.3
0	.0		3.3	17.1	1.2		*	.0	776	. 8	20.9
-1	.0	.0	4.2	10.5	.4	.1	.0	.0	543	.3	14.8
0 -1 -2	.0	.1	2.7	3.3	.3	.0	.0	.0	233	. 2	6.3
-3	.0	.1	.7	1.4	.2	.0	.0	.0	83	*	2.3
-4	.0	.1	. 8	.7	*	.0	.0	.0	60	.1	1.5
-5	.0	.1	.3	.4	.1	.0	.0	.0	32	.0	.9
-6	.0	.1	.2	.2	.1	.0	.0	.0	17	.0	.5
-7/-8	:	.1	.0	. 2	.0	.0	.0	.0	10	.1	.2
-9/-10		*			.1	.0	.0	.0	6	.0	.2
-11/-13	.0	.1	.0	.0	.0	.0	.0	.0	4	.1	.1
-14/-16	.0	*	.0	.0	.0	.0	.0	.0	1	.0	
TOTAL	2		521		677		20			142	3443
PCT	.1	27	14.5	2215	18.9	120	.6	.1	3585 100.0	4.0	96.0

PERIOD: (OVER-ALL) 1963-1973

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT) HGT <1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 26-32 33-40 41-48 49-60 61-70 71-86 87-7 1-3 PCT 1.4 10.0 16.2 10.8 5.3 2.6 1.6 .6 .4 ** HGT
<1
1-2
3-4
5-6
7
8-9
10-11
12
13-16
17-19
20-22
23-25
26-32
33-40
41-48
49-60
61-70
71-86
87+
TOT PCT 34-47 1-3 48+ 1-3 48+

PERIOD: (UVER-ALL) 1963-1973 TABLE 18 (CONT) POT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT) HGT 1-3 4-10 11-21 22-33 34-47 48+ PCT 1-										J	ULY							
PCT FREQ OF WINO SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT) HGT 1-3 4-10 11-21 22-33 34-47 48+ pCT 1-3 4-10 11-21	PERIOD:	COVE	R-ALL)	1963-1	1973				TABLE	1.0	(CONT)				AREA			
HGT 1-3 4-10 11-21 22-33 34-47 48+ PCT 1-3 4-10 11-									HOLE	. 0	renal,					20.	UN 13	
HGT 1-3 4-10 11-21 22-33 34-47 48+ pCT 1-3 4-10 11-21 22-33 34-47 48+ pCT 11-2 12-33 34-47 48+ pCT 11-2 10 10 10 11-21 22-33 34-47 48+ pCT 11-2 10 10 10 11-21 22-33 34-47 48+ pCT 11-2 10 10 11-21 22-33 34-47 48+ pCT 11-2 10 10 11-2 12-33 34-47 48+ pCT 11-2 10 10 11-2 12-33 34-47 48+ pCT 11-3 4-10 11-2 12-33 34-47 48+ PCT 11-3 4-10 11-2 12-33 34-47 48+ PCT 11-2 12-33 34-47 48+ PCT 11-3 4-10 11-2 12-33 34-47 48+ PCT 11-2 12-33 34-47 48+ PCT 11-2 10 10 10 10 10 10 10 10 10 10 10 10 10					PC	T FREQ C	F WIND	SPEED	(KTS)	AND	DIREC	TION	VERSUS	SEA HEIG	HTS (FT)	1		
\$\begin{array}{cccccccccccccccccccccccccccccccccccc														SW				
1-2			4-10															
3-4																		
5-6																		
7																		
8-9																		
10-11																		
12																		
13-16																		
17-19																		
20-22																		
23-25 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0																		
26-32																		
33-40 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0																		
41-48																		
49-60 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0																		
61-70																		
71-86 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0																		
87+ 00 00 00 00 00 00 00 00 00 00 00 00 00																		
TOT PCT * * * * .0 .0 .0 .1 * .4 .1 .0 .0 .0 .5 HGT 1-3 4-10 11-21 22-33 34-47 48+ PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT PCT (1 .0 * .0 .0 .0 .0 .0 .0 .2 .1 .9 .6 .0 .0 .0 .0 .5 .5 3-4 .0 .* .0 .0 .0 .0 .0 .0 .0 .0 .2 .1 .9 .6 .0 .0 .0 .0 .5 3-4 .0 .* .0 .0 .0 .0 .0 .0 .0 .0 .0 .1 .4 .2 .0 .0 .6 7 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1 .1 .1 .0 .0 .3 8-9 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1 .1 .1 .0 .0 .3 8-9 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0																		
HGT 1-3 4-10 11-21 22-33 34-47 48+ PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT PCT C1 .0 * .0 .0 .0 .0 .0 .0 .0 .0 .1 .3 .1 .0 .0 .0 .0 .5 .5 .2 .3 .4 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0											.0							
HOT 1-3 4-10 11-21 22-33 34-47 48+ PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT PCT C1 0 * 0 0 0 0 0 11 21 22-33 34-47 48+ PCT PCT C1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	TOT PCT	•	•		.0	•0	.0	.1			*	.4	.1	.0	.0	•0	.5	
HOT 1-3 4-10 11-21 22-33 34-47 48+ PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT PCT C1 0 * 0 0 0 0 0 11 21 22-33 34-47 48+ PCT PCT C1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0														NW				TOTAL
c1 0 * 0 0 0 0 0 * 1 3 1 0 0 0 0 5 3-4 0 * 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT			1-3	4-10	11-21		34-47	48+	PCT	PCT
1-2	<1	.0		.0	.0	.0		*			.1	. 3	.1	.0	.0	.0	.5	
3-4 0 * 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			.2			.0		.2										
7	3-4	.0	*	.0	.0	.0	.0	*				. 2	. 3	.1	.0	.0		
8-9	5-6	.0	.0	.0	.0	.0	.0	.0			.0	. 1	.4	. 2	.0	.0	.6	
10-11	7	.0		.0	.0	.0	.0				.0	.0	.1	.1	.0	.0	.3	
12	8-9	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	*	.0	.0		
13-16	10-11	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.1	.0	.0	.1	
17-19	12	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
20-22 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	13-16	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
23-25	17-19	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	-0	.0	.0	
23-25	20-22	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
33-40	23-25	.0	.0	.0	.0	.0	.0	.0				. 0	0	. 0		.0	.0	
33-40		.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
49-60	33-40	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0		.0	.0	
61-70 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	41-48	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
71-86 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	49-60	.0	.0	.0	.0	.0	.0					.0	.0	.0	.0	.0	.0	
71-86 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0		.0	.0	.0	.0	.0	.0				.0	.0	.0	.0	.0	.0	.0	
87+ .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	71-86	.0	.0	.0	.0	.0	.0				.0	.0	.0	.0	.0	.0	.0	
		.0	.0	.0	.0	.0	.0											
	TOT PCT	.0	.4	.0	.0	•0	.0				. 2				.0	.0		99.4

	WIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)			
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT	
<1	1.3	2.0	.2	.0	.0	.0	3.4	003	
1-2	.2	10.7	8.8	.0	.0	.0	19.7		
3-4	•1	6.2	20.3	3.2	.0	.0	29.7		
5-6	.0	1.4	17.4	4.2	.2	.0	23.2		
7	•0	.2	7.4	4.7	.2	.0	12.4		
8-9	• 0	.0	2.8	3.0	.2.	.0	6.0		
10-11	•0	.0	1.1	2.0	.3	.0	3.4		
12	• 0	.0	*	.9	.1	.0	1.0		
13-16	.0	.0	.0	.8	.2	.0	1.0		
17-19	.0	.0	.0	*	.0	.0	*		
20-22	.0	.0	.0	*	.0	.0	*		
23-25	.0	.0	.0	.0	. 0	.0	.0		
26-32	.0	.0	.0	.0	.0	.0	.0		
33-40	.0	.0	.0	.0	.0	.0	.0		
41-48	.0	.0	.0	.0	.0	.0	.0		
49-60	• 0	.0	.0	.0	.0	.0	.0		
61-70	.0	.0	.0	.0	.0	.0	.0		
71-86	.0	.0	.0	.0	.0	.0	.0		
87+	.0	.0	.0	.0	.0	.0	.0		
								2158	
TOT PCT	1.6	20.4	58.0	18.9	1.2	.0	100.0		

-	AD-A03	51 778 SSIFIED	NAVAL SUMMAI NOV 7	RY OF S	R SERVI YNOPTIC	CE DET	ACHMENT ROLOGIC	ASHEVI AL OBSE	LLE N (S NS (SSM	O). WES	F/G 4/ T AFE	/2 ETC(U)	
		4 of 7 ADA031778		Transaction (Control of Control o										
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		nir M										I		

PERIOD: (PRIMARY) 1921-1973 (OVER-ALL) 1854-1973

TABLE 1

AREA 0004 CANARY ISLANDS 28.0N 15.1W

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

				RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HATL	PCPN AT	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE		NO SIG WEA
N NE	:1		.2	:0	.0	.0	:0	:2	:2	:1	3.5	:0	3.7		92.1
E	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	4.4	.0	1.5		94.1
SE	.0	9.5	.0	.0	.0	•0	.0	9.5	.0	.0	.0	.0	.0	.0	90.5
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	14.3	.0	4.8		95.5
	.0	.0	1.9	.0	.0	.0	.0	1,9	.0	.0	5.2	.0	5.2		87.7
NW	.0	.0	.2	.0	.0	.0	.0	.2	.0	.0	4.0	.0	5.6	.0	90.2
VAR	.0	•0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
CALM	.0	•0	.0	.0	.0	•0	.0	.0	3.3	.0	6.7	.0	3.3	.0	86.7
TOT PCT TUT DES:	3814	.1	.1	.0	.0	.0	.0	.3	.2	.2	3.6	.0	3.8	.1	91.8

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			,	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHENDI	MENA	
HQUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	STHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THOR	FOG WU PCPN	FOG WD PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	
60300	.1	-1	.1	.0	.0	.0	.0	.3	.0	.2	2.5	.0	2.1	.0	94.8
90300	.2	.0	.2	.0	.0	.0	.0	.4	.6	.5	4.3	.0	3.1	.0	91.1
12615	.1	. 1	.2	.0	.0	.0	.0	.4	.1	.0	3.3	.0	5.5	.2	90.5
18621	.0	•1	.0	.0	.0	•0	.0	.1	•1	.0	4.1	.0	4.2	.2	91.3
TOT PCT	2077	•1	.1	.0	.0	•0	.0	.3	.2	.2	3.6	.0	3.8	.1	91.8

TARLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		WI	ND SPE	ED (KN	DTS)								HOUR	(GMT)			
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	PCT	MEAN SPD	00	03	06	09	12	15	18	21
N NE	:5	12.0	21.4	4.7	:7	.0		39.0	14.1	38.4	52.1	39.9	34.3		52.1	41.2	33.8
E	.1	1.1	1.3	.3		.0		2.8	13.0	2.8	1.9	2.3	3.4	2.9	2.1	2.7	2.9
SE		.3	.1	.0	.0	.0		.3	7.9	.3	.0	.3	.5	.4	.0	.3	.6
S		.2	.1		.0	.0		.4	9.2	.4	.0	.4	.4	.4	.0	.5	.1
SW	.1	.3	.1	.0	.0	.0		.4	7.5	.3	.0	.5	.3	.7	.0	.3	.2
W	.1	.5	.1		.0	.0		. 8	6.9	1.1	1.1	.8	.6	.8	1.2	.5	.9
NW	.2	1.9	.9	.1	.0	.0		3.2	9.7	2.7	2.7	3.0	3.1	3.4	1.8	3.6	3.4
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.7							.7	.0	1.0	1.1	.5	1.3	.8	.0	.5	.6
TOT OBS	189	2225	4104	1126	71	0	7715		14.5	1542	94	1541	703	1452	83	1528	772
TOT PCT	2.4	28.8	53.2	14.6	.9	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TARIF 34

						10.00						
WND DIR	0-6	7-16	SPEED 17-27		41+	TOTAL DBS	PCT	MEAN SPD	00	HQUE 06 09	12 15	18 21
N NE	3.8	22.3	11.6	1.3	:		39.0	14.1	39.2	38.2	40.5	38.7
E	.4	1.6	.7	.1	.0		2.8	13.0	2.7	2.7	2.9	2.8
SE	:1			.0	.0		.3	7.9	.3	.3	.3	.4
S	.1	:1		.0	.0		.4	9.2	.4	.4	.4	.3
SW	.2	:3		.0	.0		.4	7.5	.2	.4	.7	.3
	.5	.3			.0		.8	6.9	1.1	. 8	. 8	.6
NW	1.0	1.8	.3		.0		3.2	9.7	2.7	3.0	3.3	3.5
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	.7						.7	.0	1.0	.8	.7	.5
TOT OBS	803	4024	2547	337		7715		14.5	1636	2244	1535	2300
TOT PCT	10.4	52.2	33.0	4.4	.1		100.0		100.0	100.0	100.0	100.0

PERIOD: (PRIMARY) 1921-1973 TABLE 4 AREA 0004 CANARY ISLANDS 28.0N 15.1W

PERCENTAGE FREQUENCY OF MIND SPEED BY HOUR (GHT)

HOUR CALM 1-3 4-10 11-21 22-33 34-47 48+ MEAN FREQ 0B5

00603 1.0 2.1 29.0 93.0 13.6 1.2 .0 14.4 100.0 1636 06609 8 1.8 32.1 49.3 15.2 .8 .0 14.3 100.0 2244 12615 .7 1.5 27.6 54.7 14.8 .7 .0 14.6 100.0 1535 18621 .5 1.5 26.5 36.1 14.6 1.0 .0 14.7 100.0 2300 TOT 57 132 2225 4104 1126 71 0 14.5 PCT 7715

PCT .7 1.7 28.8 53.2 14.6 .9 .0 100.0

0

0

TABLE 5 TABLE 6 PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8)
AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION 5-7 8 & TOTAL DBSCD DBS WND DIR 000 150 149 299 6.1 4.7 .1 .0 .0 .1 .3 .0 * .5 32.6 .5 31.0 * 1.2 .0 .2 .1 .4 * .5 .0 .7 * 3.0 .0 .0 .0 .7 36 2141 1.2 70.4 N NE E SE S SW W NW VAR CALM TOT DBS .3 .2 .0 .0 .0 .0 .0 .0 .0 .0 .0 .5 .5 *0.00.00.00.01 1.8 1.3 .0 .0 .0 .1 * 4.9 3.2 .1 .0 .1 .3 .0 .0 266 8.7

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING MEIGHT (NH >4/8) AND VSBV (NH)

OR OR OR OR OR OR OR OR

				VSBY (NH)			
CEILING	. DR	- OR	. OR	- DR	. DR	. OR	• OR	- DR
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
- DR >6500	1.1	1.6	1.7	1.7	1.7	1.7	1.7	1.7
DR >5000	1.7	2.3	2.3	2.3	2.3	2.3	2.3	2.3
DR >3500	4.0	5.1	5.4	5.4	5.4	3.4	5.4	5.4
OR >2000	10.3	13.4	14.1	14.1	14.1	14.1	14.1	14.1
OR >1000	18.8	24.3	25.5	25.5	25.5	25.5	25.5	25.5
OR >600	20.9	27.6	28.9	28.9	28.9	28.9	28.9	28.5
OR >300	21.1	28.0	29.4	29.4	29.4	29.4	29.4	29.4
OR >150	21.1	28.0	29.4	29.4	29.4	29.4	29.4	29.4
OR > 0	21.2	28.2	29.7	29.7	29.7	29.7	29.7	29.7
TOTAL	648	864	909	909	909	909	909	909

TOTAL NUMBER OF OBS: 3063 PCT FREQ NH 45/8: 70.3

TABLE 7A
PERCENTAGE FREQ OF LOW CLOUDS (EIGHTMS)

0 1 2 3 4 5 6 7 8 08SCD 085 29.1 12.0 11.7 10.4 6.5 5.6 7.4 8.6 8.5 .3 3219

	-		_	

PERIOD: (PRIMARY) 1921-1973 (OVER-ALL) 1854-1973

TABLE 8

AREA 0004 CANARY ISLANDS 26.0N 15.1W

				PRECI	PITATI	ON WIT	H VAR	YING V	ALUES	DF VIS	IBILI	4	
VSBY		N	NE	£	58	5	SW	W	NW	VAR	CALM	PCT	TOTAL
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT \$.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	PCP	.0	.0	:0	:0	.0	.0	:0	.0	.0	.0	.0	
1/2<1		1.2	1.0	.1	.0			.1	.1	.0	.0	2.4	
	TOT &	1.2	1.0	.1	.0	•		.1	.1	.0	.0	2.4	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
142	NO PCP	.4	.5		.0	.0	.0	.0		.0		1.0	
	TOT \$.4	.5		.0	.0	.0	.0		.0		1.0	
	PCP		.0	.0	.0	:0	.0	.0	.0 .1 .1	:0	.0		
2<5	NO PCP	1.3	1.0	.0	.0	.0	.0		.1	.0	.1	2.5	
	TOT %	1.3	1.0	:0	.0	.0	.0	•	.1	.0	.1	2.6	
	PCP	.1	.1	.0		.0	.0	.0	.0	.0	.0	.2	
5<10	NO PCP	12.2	12.8	.5	.1	.2	.2	.0	.8	.0	.2	27.3	
	TOT &	12.3	12.9	.5	.1	.2	.2	.3	.8	.0	.2	27.5	
	PCP			1:2	:0	:4	.0	.:		.0	.0	.1	
10+	NO PCP	32.1	28.5	1.2	.2	.4	.3	.6	2.7	.0	.4	66.4	
	TOT \$	32.2	28.5	1.2	.2	.4	.3	.6	2.7	.0	.4	66.6	
	TOT 085												3803
	TOT PCT	47.4	43.9	1.8	.3	.6	.6	1.0	3.7	.0	.8	100.0	

TABLE 9

				PERCENT	FREQ	DF WIN	D DIRE	OF V	VS WI	ND SPE	ED		
VSBY (NM)	SPD	N	. NE	E	SE	s	SW	W	NW	VAR	CALM	PCT	TOTAL
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0		.0	.0	.0	.0	.0	.0	.0			
	TOT \$.0		.0	.0	.0	.0	.0	.0	.0	.0		
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	4-10	.1	.1		.0					.0		.4	
	11-21	.5	.4	.0	.0	.0	.0			.0		.9	
	22+	.2	.2	.0	.0	.0	.0	.0		.0		.5	
	TOT \$.9	:7		.0				.1	.0	.0	1.7	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0			
142	4-10	.1	.1		.0	.0	.0	.0	.0	.0		.2	
	11-21	.2	.3	.0	.0	.0	.0	.0		.0		.4	
	22+		.1	.0	.0	.0	.0	.0	.0	.0		.2	
	TOT %	.3	.5	•	.0	.0	.0	.0		.0		.8	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	
245	4-10	.3	.4		.0	.0	.0			.0		. 8	
	11-21	:3			.0	.0	.0	.0		.0		1.7	
	22+	.3	.5	.0	.0	.0	.0	.0	.0	.0		.7	
	TOT \$	1.4	1.6	•	.0	.0	.0		.1	.0	.1	3.2	
	0-3	.1	2.7		.0	.0		.1	:1	.0	.2	.6	
5<10	4-10	3.3	2.7	.2	.1	.1	.1	.2		.0		6.8	
	11-21	5.9	7.0	.3		.1		.1	.2	.0		13.5	
	22+	1.7	2,8		.0	.0	.0	.0	.1	.0	YELL	4.6	
	TOT %	11.0	12.6	.5	.1	.1	.1	.3	.7	.0	.2	25.5	
	0-3	.4	.3					.1	.1	.0	.5	1.5	
10+	4-10	8.9	8.0	.5	.1	.2	.2	.4	1.5	.0		19.8	
	11-21	17.6	19.9	.8		.1	.1	.1	.7	.0		39.1	
	22+	3.3	4.8	.1	.0	.0	.0		.1	.0		8.2	
	TOT %	30.2	32.9	1.4	.2	.3	.3	.5	2.4	.0	.5	68.7	
	OT 085			70									5382
San	OT PCT	43.7	48.3	2.0	.2	.4	.4		3.3	.0		100.0	

AUGUST

PERIOD: (PRIMARY) 1921-1973 (OVER-ALL) 1854-1973

0

TABLE 10

AREA 0004 CANARY ISLANDS 28.0N 15.1W

8

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150	300 599	999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL
00603	.6	.0	.4	3.7	9.9	8.0	2.6	.3	.3	.4	26.1	73.9	727
90300	.5	.1	.6	4.9	16.3	12.7	4.3	1.0	.6	.8	41.9	58.1	774
12615	.1	.0	.2	3.2	10.9	8.0	2.6	.7	1.0	1.2	27.9	72.1	823
18621	.0	.0	.6	1.6	7.5	5,8	2.4	.5	.0	2.0	20.3	79.7	831
TOT	9	1	15	104	350	270	93	20	15	36	913	2242	3155

TABLE 11

TARLE 1

				A DESCRIPTION OF	22010									
		PERCENT	FREQUE	CY VSB	Y (NM)	BY HOUR		CUMULAT	IVE PCT	FREQ	OF RAN	GES OF NH >4/8	VSBY (NM)	AND/OR
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL DBS	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00403	.0	.9	.2	3.3	23.3	72.3	1213	00803	.6	1.0	8.1	20.7	71.2	704
06609	•1	2.3	.9	2.7	28.6	65.5	1505	90360	.5	1.5	8.8	35.2	56.0	752
12615	.0	1.7	1.3	3.6	23.0	70.5	1209	12615	•1	.4	6.1	23.4	70.5	800
18621	.0	1.9	.8	3.4	27.2	66.7	1518	18621	.0	.6	4.5	18.0	77.6	807
TOT	1.	94	43	175	1404	3728 68.5	5445 100.0	TOT	9	26	208	743	2112	3063

TABLE 13
PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

PCT REQ .1 1.4 TABLE 14

TABLE 15

TABLE 16

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY MOUR

HOUR MAX 99% 95% 50% 5% 1% MIN MEAN TOTAL

(CMT)

00E03 87 76 74 71 69 67 59 71.3 1639

00E09 85 77 75 71 68 67 59 71.4 1243

12615 86 82 79 74 71 68 62 74.4 1303

18621 87 82 79 73 70 68 61 73.6 2257

TOT 87 81 78 72 69 67 59 72.6 76.5

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR
HOUR 0-29 30-59 60-69 70-79 80-89 90-100 MEAN TOTA
(GMT)
085
00603 .0 .0 2.1 18.3 53.2 26.3 85 725
06609 .0 .5 4.1 29.5 48.3 23.6 83 702
12615 .0 1.6 9.8 42.9 36.4 9.3 79 74
18621 .0 .5 5.1 33.3 42.3 16.8 62 799

AUGUST

PER100:	(PRIMARY)	

TABLE 17

AREA 0004 CANARY ISLANDS

PCT	FREQ	OF	AIR	TEMPERATURE	(DEG		AND	THE	DCCURRENCE	OF	FOG	CWITHOUT	PRECIPITATION)
				VS AT	-SEA	TE	MPER!	TUR	DIFFERENCE		DEG !	•)	

AIR-SFA TMP DIF	57	61	65	69 72	73	77	11	**	TOT	FOG	FOG
14/16	.0	.0	.0	.0	:		.1	.1	5		.1
11/13	.0	.0	.0	.0	.1		.3	.1	18	.0	.5
9/10	.0	.0	.0	.0	.1	.2	.4	.1	26	.0	.7
7/8	.0	.0	.0	.1	.5	1.3	.5		80	.1	.5 .7 2.2
6	.0	.0	.0	.1		.6	.1	.0	45	.1	1.2
5	.0	.0	.0	.3	2.2	1.6	.2	.0	148	.2	4.1
	.0	.0	.1	1.0	3.5	.9	.0	.0	148	.3	5.3 7.3 12.2
3	.0	.0	.1	1.6	5.5	.6	.0	.0	267	.4	7.3
2	.0	.0	.2	4.0	7.4	.4		.0	446	.6	12.2
1	.0	.0	.1	9.2	8.4	.1	.0	.0	622	.6	17.3
0	.0	.0	.2	14.7	6.7	.1		.0	756	.5	21.2
-1	.0	.0	.3	10.9	2.6	.2	.0	.0	484	.5	13.4
0 -1 -2 -3 -4	.0000	.0	.4	3.9		.1	.0	.0	186	.3	5.1
-3	.0	.0	.2	1.0	.4	.0	.0	.0	80	.1	2.2
-4	.0	.0	.3	1.1	.2		.0	.0	56		1.6
	.0	.0	.1	.5		.0	.0	:0	27		1.6
-6	.0	.1	.1	.2	.0	.0	.0	.0	17	.0	.5 .2 .2 .2 .2
-7/-8	.0	.1	.0	.1	.0	.0	.0	.0			.2
-9/-10	.0	.2			.0	.0	.0	.0		.0	.2
-11/-13	.1	.0	78	.1	.0	.0	.0	.0	6	.0	.2
TOTAL	.1		78		1358		51			131	3348
ALBERT LINE TO		22		1745		215	100		3479		
PCT	.1	22	2.2	50.2	39.0	6.2	1.5	.2	100.0	3.8	96.2

PER100: (OVER-ALL) 1963-1973

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT) N 22-33 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 11-21 5.1 11.5 8.2 3.3 1.2 .0 .0 .0 .0 .0 HGT
<1
1-2
3-4
5-6
7
8-9
10-11
12
13-16
17-19
20-22
23-25
26-32
33-40
41-48
49-60
61-70
71-86
TPCT 1-3 11-21 4.0 10.2 8.0 3.6 1.1 .3 .3 .1 .0 .0 .0 .0 -47 11-21 .0 .1 .3 .1 .2 .0 .0 .0 .0 .0 .0 .0 MG7
<1
1-2
3-4
5-6
7
8-9
10-11
12
13-16
17-19
20-22
23-25
26-32
33-40
41-48
49-60
61-70
71-88
87
TOT PCT 4-10 .0 .2 .0 .0 .0 .0 .0 .0 .0 1-3 4-47 1-3 11-21 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0

									AUGUST					200		
PER100:	COAE	R-ALL)	1963-	1973				TABLE	18 (CONT)				AREA	0004		ISLANDS
				PC	T FREO	-	SPEED				VERSIIS 6		HTC (FT			
						Dr #140	SPEED		AND DINES		· EN303 .					
HGT	1-3	4-10	11-21	\$ 22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	.0		.0	.0	.0	.0			.0	.1	.0	.0	.0	.0	.1	
1-2		.1		.0	.0	.0	.2		.0	.2		.0	.0	.0	.2	
3-4	.0	.0	.1	.0	.0	.0	.1		.0			.0	.0	.0	.1	
5-6	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	:0		.0			.0	.0	.0	.1	
8-9	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
20-55	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
71-80	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	0		.0	.0		.0	.0	.0	.0	
TOT PCT		.1	.1	.0	.0	.0	.3		.0	.3	.1	.0	.0	.0		
												NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1		.1	.0	.0	.0	.0	.1		.1	.2		.0	.0	.0	.3	
1-2	.0	.3		.0	.0	.0	.3		.1	1.5		.0	.0	.0	1.8	
3-4	.0		.1	.0	.0	.0	.1		.0	.4	.2	.0	.0	.0	.5	
5-6	.0	.0	.0		.0	.0			.0	.1	.5	.2	.0	.0	.8	
7	.0		.0	.0	.0	.0			.0				.0	.0	.1	
8-9	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0		
10-11	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
97+	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
TOT PCT		.5	.1		.0	.0	.7		.2	2.2		.2	.0	.0	3.5	99.1

	MIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	707 085
<1	1.5	2.6	.3	.0	.0	.0	4.4	
1-2	.6	15.3	9.5	.0	.0	.0	25.4	
3-4		6.5	22.4	1.7	.0	.0	30.6	
5-6	.0	1.9	16.8	3.3	.0	.0	22.0	
7	.0	.3	7.2	3.2	.1	.0	10.8	
8-9	.0		2.3	1.5	.0	.0	3.9	
10-11	.0	.0	.5	1.0	.1	.0	1.6	
12	.0	.0	.4	.6	.1	.0	1.1	
13-16	.0	.0	.1	.0	.0	.0	.1	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0		.0		
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
and the state of								2022
TOT PCT	2.1	26.7	59.5	11.3	.4	.0	100.0	

SEPTEMBER

PERIOD: (PRIMARY) 1919-1973 (OVER-ALL) 1854-1973

TABLE 1

AREA 0004 CANARY ISLANDS 28.0N 15.1W

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

			,	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHENO	MENA	
WHO DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HATL	PCPN AT	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WU PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	
N NE	:	:2	.3	:0	:0	:0	:8	.9	:3	:5	1:1	:0	3.1	-1	93.2
NE			.2												
	2.2	.0	.0	.0	.0	.0	.0	2.2	.7	1.8	3.1	.0	1.8	.0	90.5
SE	4.3	.0	.0	.0	.0	.0	.0	4.3	3.6	2.9	1.4	.0	.0	.0	87.7
S	2.3	.0	.0	0	.0	.0	.0	2.3	2.3	1.1	1.1	.0	.0	.0	93.1
SW	.0	3.8	.0	.0	.0	.0	.0	3.8	.0	1.0	.0	.0	.0	.0	95.2
	.0		.0	.0	.0	.0	.0	.8	5.7	.0	.0	.0	.0	.0	93.6
NW	.4	.3	.0	.0	.0	.0	.0	.7	.9	.6	.3	.0	1.9	.1	95.5
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALH	1.0	.0	.0	.0	.0	.0	.0	1.0		1.0	2.0	.0	.0	.0	96.0
TOT PCT	1229	.3	.2	.0	.0	.0	.0	1.0	.6	.5	1.4	.0	2,7	.1	93.8

TABLE 2

PERCENT PREQUENCY OF WEATHER OCCURRENCE BY HOUR

				RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	NO SIG WEA
00603 06609 12615	:6	·1 ·3 ·3	:1 :5	.0	.0	.0	.0	1:4	.4	1.0	1.7	.0	1.9	.0	95.1 94.5 93.6
18621		•2	.0	.0	.0	.0	.0	1.0	.6	:0	1.3	.0	4.5	.1	92.4
TOT PCT		.3	.2	.0	.0	•0	.0	1.0	.6	.5	1.4	.0	2.7	•1	93.8

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		WI	ND SPE	ED (KN	otsi								HOUR	(GMT)				
WND DIR	0-3				34-47	48+	TOTAL	FREQ	SPD	00	03	06	09	12	15	18	21	
N NE	1:7	14.6	12.7	1.7	:1	.0		30.6	11.2	31.2	37.8	30.0	29.4	30.0	39.7	32.9	26.6	
	.4	2.6	1.6	.1	.0	.0		4.7	9.6	4.5	2.8	4.7	5.9	5.2	1.0	4.1	4.9	
SE	.2	. 6	.2		.0	.0		1.2	6.8	.9	.0	1.7	1.7	.9	1.3	1.2	1.2	
S	.4	.6	.1		.0	.0		1.2	6.0	1.3	2.2	1.5	1.4	1.4	1.3	.6	1.6	
SW	.4	1.1	4		.0	.0		1.9	7.5	1.5	1.9	1.9	1.9	1.8	4.3	2.2	2.8	
	.5	1.4	.3		.0	.0		2.3	6.6	2.0	4.4	2.3	2.5	1.6	.0	2.4	3.4	
NW	.6	3.1	1.0	.1	.0	.0		4.8	8.0	4.3	1.9	4.3	6.0	5.1	1.6	5.4	4.4	
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	3.2							3.2	.0	3.7	2.5	3.9	2.0	3.1	1.3	2.8	3.7	
TOT OBS	616	3064	2845	388	13	0	6926		10.9	1352	80	1399	641	1326	78	1371	679	
TOT PCT		44.2	41.1			.0		100.0		100-0	100.0	100-0	100.0	100-0	100-0	100.0	100.0	

NND DIR	0-6	WIND 7-16	SPEED 17-27	(KNOTS) 28-40	41+	TOTAL	PCT	MEAN SPO	00	HQUI 06 09	12 15	18 21
N NE	7.2	17.7	5.4	:	.0		30.6	11.2	31.6	29.8	30.5	30.8
	1.7	2.4			.0		4.7	9.0	4.4		4.9	4.3
SE		*.4	:1	.0	.0		1.2	6.8	.9	1.7	.9	1.2
5	.9	.2	.1	.0	.0		1.2	6.0	1.3	1.3	1.4	1.0
SW	1.1	:7	.2	.0	.0		1.9	7.5	1.6	1.9	1.0	2.4
W	1.4	.6	.1	.0	.0		2.3	6.6	2.1	2.4	1.7	2.7
NW	2.2	2.4	:0		.0		4.8	8.0	4.1		5.0	5.1
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	3.2						3.2	.0	3.6	3.3	3.0	3.1
TOT DBS	1816	3771	1256	83	0	6926		10.9	1432	2040	1404	2050
TOT PET	24.2		18 1	1.2	-0		100.0		100-0	100.0	100.0	100.0

									SEPTE	4BER									
PERIOD	(OVER		1919-1						TABLE	E 4				ARE	A 0004	ZB.ON	ARY 15.		
						PERCENT	AGE FR	EQUENCY OF	MIND	SPEED	BY H	OUR (G	(TM						
			HOL	IR CA	LH 1	-3 4-		IND SPEED -21 22-33			A+ H		CT REQ	TOTAL					
			0060 0660 1261 1862 TOT PCT	9 3	.3 6 .0 6 .1 5 24 3	.2 47 .2 39 .3 44 92 30	.6 3°	1.1 6.4 7.9 4.9 4.2 6.6 2.1 5.1 845 388 1.1 5.6		.1	.0 1 .0 1	1.1 10 0.5 10 1.4 10 1.0 10 0.9	0.0	1432 2040 1404 2050 6926					
			TAE	LE 5									7	ABLE 6					
P	T FREQ	OF 10	TAL CL	DIREC	TION	EIGHTH	5)		,	PERCEN	TAGE	FREQUE	NCY OF	CEILIN NH C5/	G HEIG	HTS (FT, NH	>4/8) ON	
WND DIR	0-2	3-4	5-7	8 & BSCD	TOTAL DBS	CLOUD		000 149	150	300 599	600	1000			5000 6499	6500 7999		NH <5/8	
N NE E SE SE S W W NW YAR CALM TOT OBS	16.0 23.6 1.2 .4 .5 .7 .9 2.5 .0 2.1 1275 47.9	8.9 9.9 .4 .1 .2 .3 .7 .9 .0 .4 582 21.9	8.1 11.1 .8 .3 .3 .4 1.2 .0 .3 605 22.7	2.8 3.4 .3 .2 .1 .2 .1 .3 .0 .2 198 7,4	2660 100.0			.1 * .0 .0 .0 .0 .0 .0 .0 .0	.0 .0 .0 .0 .0	.1 .3 .0 .1 .1 .0 .0 .0 .0	.8 1.3 .1 .1 	3.4 3.6 .2 .1 ** .1 .3 .0 .1 211	.3 .1 * .1 .2 .5 .0	.0	.3 .4 .1 .0 .0 .0 .0 .0 .0 .0 .0 .0	.2 .1 .0 .0 .0 .0 .0 .0	.3 .3 .0 .0 .0 .0 .0 .0	2.0 .5 .8 1.2 1.8 3.9 .0 2.7 2062	26t 100
						•													
									TABLE	1 7									
						CUMU	CEILIN	PCT FREQ	OF SI	HULTANI	ND VS	DECURR BY (NM	ENCE)						
				CEILI		OR >10	• NR	- OR V	SBY (1	(M)		- OR	>501		DR >0				
			• 0	IR >650 IR >500 IR >200 IR >100 IR >600 IR >300 IR >150 IR > 0	00	.9 1.6 3.6 9.1 15.1 16.9 17.2 17.2	1.1 2.0 4.5 11.0 18.7 21.0 21.5 21.6	1.1 2.0 4.5 11.4 19.2 21.5 22.0 22.1	1.1 2.0 4.5 11.4 19.2 21.5 22.0 22.1	1 2 4 11 19 21 22 22 22	.1 .0 .5 .4 .2 .5	1.1 2.0 4.5 11.4 19.2 21.5 22.0 22.1	1. 2. 4. 11. 19. 21. 22. 22.	1 1 0 2 5 4 4 11 2 19 5 21 0 22 1 22	.1 .0 .5 .4 .2 .6				

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 OBSCD OBS 22-1 17-4 16.6 13.3 7.6 5.3 6.4 5.1 5.9 .1 2877

TOTAL NUMBER OF OBS: 2713 PCT FREQ NH <5/8: 77.7

SEPTEMBER

PERIOD:	(PRIMARY)	1919-1973
	INVER-ALL !	1854-1971

TABLE 8

AREA 0004 CANARY ISLANDS 28,0N 15.1W

			FRCENT	PREC	OF WIN	D DIRE	TH VAR	YING Y	ALUES	F VIS	IBILI	CURRENC	E OF
VSBY (NM)		N	NE	F	SE	5	SW		NW	VAR	CALM	PCT	TOTAL
	PCP	.0	.0	.0	.0	0	.0	.0	.0	.0	.0	.0	200
<1/2	NO PCP	.1		.0	.0	.0	.0	.0	.0.	.0	.0	.1	
	TOT &	.1		.0	.0	.0	.0	10	.0	.0	.0	.1	
	PCP	.0	.0			.0	.0	,0	.0	.0	.0		
1/2<1		.2	.3	.1			.0	.0		.0	.0	.7	
	TOT &	.2	.3	.1			.0	.0		.0	.0	.7	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	NO PCP	.3	.6		.0	.0	.0	.0	.1	.0	.0	.9	
	TOT &	.3	.6		.0	.0	.0	.0	.1	.0	.0	.9	
	PCP			.0	.0	.0	.0	.0	.0	.0	.0	.1	
2<5	NO PCP	.5	.5	.0						.0	.1	1.2	
	TOT %	.6	.5	:0						.0	.1	1.3	
	PCP	.1	.2	.0	.0	.0	.1	.0	.0	.0		.4	
5<10	NO PCP	6.6	10.4	1.0	.0	.3	:5	.3	.9	.0	.4	20.6	
	TOT &	6.7	10.6	1.0	.2	.3	.5	.3	.9	.0	.4	21.0	
	PCP	.2	.2	.1			.0			.0	.0	.6	
10+	NO PCP	26.9	35.4	2.2	.7	.9	1.1	1.7	4.1	.0	2.5		
	TOT &	27.2	35.6	2.2	.8	.9	1.1	1.7	4.1	.0	2.5	76.0	
	TOT 085												3321
	TOT PCT	35.0	47.6	3.4	1.0	1.3	1.6	2.0	5.1	.0	3.0	100.0	

TABLE 9

				PERCEN	T FREG	OF WI	VALUE	S OF V	ISIBIL AZ MI	HD SPE	ED		
VSBY (NM)	SPD	N	NE	E	SE	s	SW	W	NW	VAR	CALM	PCT	TOTAL
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	-
<1/2	4-10			.0	.0	.0	.0	.0	.0	.0	12.	.1	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT \$.0	.0	.0	.0	.0	.0	.0	.0	.1	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1				.1			.0	.0	.0	.0		.1	
	11-21	.1	.2		.0	.0	.0	.0	.0	.0		.3	
	22+		.0	.0	.0	.0	.0	.0		.0			
	TOT \$.2	.2	.1			.0	.0		.0	.0	.5	
	0-3				.0	.0	.0	.0	.0	.0		.1	
1<2	4-10		.1	.0	.0	.0	.0	.0		.0		.2	
	11-21	.1	.3	.0	.0	.0	.0	.0		.0		.4	
	22+	.0	.1	.0	.0	.0	.0	.0	.0	.0		.1	
	TOT %	.2	.4	•	.0	.0	.0	.0	.1	.0		.7	
	0-3			.0	.0	.0		.0	.0	.0		.1	
2<5	4-10	.3	.2		.0	.0	.0			.0		.5	
	11-21	.2	.4	.1			.0	.0		.0		.7	
	22+	.1	.2		.0	.0	.0	.0	.0	.0		2	
	TOT \$.6	.8	.1	•					.0	•	1.7	
	0-3	.4	.2	.1		.1	.1	.1	.1	.0	.4	1.3	
5<10		2.2	3.2	.5	.2	.2	.2	.1	.4	.0		7.0	
	11-21	2.6	5.4	.3		.0	.1		.2	.0		8.6	
	22+	.7	1.3		.0	.0	.0	.0	1	.0	14	2.0	
	TOT \$	5.8	10.1	1.0	.2	.2	.4	.2	.7	.0	.4	19.0	
	0-3	1.1	.8	.2	.1	.4	.3	.3	.5	.0	2.4	6.1	
10+	4-10	11.6	14.7	1.4	.5	.4	.7	1.0	2.4	.0		32.7	
	11-21	11.9	20.3	1.0	.1	.1	.2	.3		.0		34.7	
	22+	1.4	3.0		.0				.1	.0		4.5	
	TOT %	26.0	38.8	2.7	.8	.9	1.2	1.6	3.7	.0	2.4	78.1	
	TOT OBS	32.8	50.4	3.9	1.0	1.1	1.6	1.8	4.5	.0	2.8	100.0	4801

SEPTEMBER

PERIOD: (PRIMARY) 1919-1973 (DVER-ALL) 1854-1973

TABLE 10

AREA 0004 CANARY ISLANDS 28.0N 15.1W

PERCENT	FREQUENCY	OF	CE	ILI	46	HEIGHT	5	(FEET, NH	>4/81	AND
	Occill	000	NCE	ne	NL	1 15/8		HOUSE		

HOUR (GHT)	000	150	300 599	600	1000	2000 3499	3500 4999	5000	6500	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL DBS
60300	.2	.2	.3	1.7	8.3	6.7	1.4	.9	.0	.8	20.3	79.7	654
90360	.2	.0	.5	3.3	10.8	8.1	2.9	1.4	.6	.5	28.2	71.8	657
12615	.1	.0	.7	2.1	6.8	7.0	3.0	.4	.7	.5	21.3	78.7	762
18621	.0	.1	.5	2.1	4.6	5.3	2.5	.9	.1	.9	17.2	82.8	756
TOT	3	2	14	65	212	190	70	25	10	19	610	2219	2829

TABLE 11

TABLE 12

			PERCENT	FREQUEN	CY VSBY	(NM)	BY HOUR		CUMULAT	IVE PCT	FREQ G HGT	OF RAN	GES OF NH >4/8	VSBY (NM)	AND/OR
HOL		/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
000	.03	. 1	.4	.4	1.1	17.5	80.5	1055	00603	.3	.8	3.6	18.7	77.7	615
060	109	. 1	.6	.6	1.7	22.2	74.6	1353	90360	.2	.6	5.8	24.3	70.0	639
120	115	.2	.2	.4	1.8	17.8	79.6	1130	12615	.1	.8	4.6	18.1	77.2	733
180	21	.0	.5	1.3	1.9	18.3	77.9	1368	18621	.0	.7	4.0	14.5	81.5	726
TO	T	4	24	35	81	938	3824	4906	TOT	.1	20	122	508 18.7	2083	2713

TABLE 13

				200						
	PERC	ENT FR	EQUENC	Y OF R	ELATIV	-	DITY B	Y TEMP	TOTAL	PCT
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100		FREQ
80/84	.0	.0	.0		.5	.3		.1	23	.9
75/79	.0	.0		.3	2.7	9.4	4.7	1.7	489	18.8
70/74	.0	.0	.0	.5	5.2	24.5	33.8	12.7	1992	76.8
65/69	.0	.0	.0	.0	.1	.7	1.8	.9	91	3.5
TOTAL	0	0	1	23	219	904	1048	400	2595	100.0
PCT	.0	.0		.9	8.4	34.6	40.4	15.4		

TABLE 14

	PERCE	NT FRE	QUENC	4 OF W	IND DI	RECTIO	N BY T	EMP	
N	NE	E	SE	S	SW		NW	VAR	CALM
.3	8.1 38.5	.0	.0			.0	.2	.0	.0 .4 1.5
7.3	8.1	.7	.2	.2	.5	.3	1.1	.0	.4
26.9	38.5	2.2	.7	. 8	1.0	1.6	3.5	.0	1.5
1.2	1.9	.1		.1			.1	.0	.0
35.6	48.9	3.0	.9	1.1	1.6	2.0	4.9	.0	1.9

TABLE 15

	MEANS,	EXTREMES	AND	PERCEN	TILES	OF TEMP	(DEG	F) F	Y HOUR
HQUR (GHT)	MAX	99%	95%	50%	5%	18	MIN	MEAN	TOTAL
00603	85	77	75	72	69	67	63	71.9	1461
18621	86	82	79	75 73	71 71	68	63	74.8	1372

TABLE 16

	PERC	ENT FRE	BOENCA	UF RELA	ITAE H	OWIDIIA	BT HUUR	
HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
00603	.0	.0	3.1	28.5	47.0	21.3	83	610
90300	.0	1.2	5.0	27.9	45.5	20.5	82	660
12615	.0	1.5	15.0	44.6	30.3	8.5	77	679
18621	.0	1.0	9.6	37.2	40.6	11.6	80	707
TOT	0	25	222	924	1080	405	81	2656

PERIOD: (PRIMARY) 1919-1973 (OVER-ALL) 1854-1973

TABLE 17

AREA 0004 CANARY ISLANDS 28.0N 15.1W

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

		7/50					1000				
IR-SEA	61	65	69	73	77	81	85	TOT		WD	
MP DIF	64	68	72	76	80	64	88		FOG	FOG	
11/13	.0	.0	.0	.1 .1 .5	:1	.2	.0	9	.0	1.7 1.0 3.5	
9/10	.0	.0	.0	.1	.1	.2	.0	13	.0	.4	
7/8	.0	.0	.1	.5	.8	.3		52	.0	1.7	
6	.0	.0		.3	.6	.0	.0	29	.0	1.0	
5	.0		.2	1.4	1.8	.1	.0	110	.1	3.5	
4	.0	.2	. 8	1.8	1.1	.0	.0	121	.1	3.9	
5	.0	.0	.9	3.6	1.2	.0	.0	173	:1	5.5	
2	.0		2.7	6.5	1.2	.0	.0	320	.1	10.4	
1	.0	.1	4.2	10.0	.3	.0	.0	448	.2	14.5	
0	.0	.2	10.4	11.2	.1	.0	.0	668	.3	21.6	
-1	.0	.2	10.7	6.3	.1	.0	.0	524	.2	16.9	
-2		.4	6.1	2.5	.0	.0	.0	277	.1	8.9	
-3	.0	.3	3.1	.5	.0	.0	.0	120		8.9	
-4	.1	.4	2.0	.7	.0	.0	.0	98	:	3.2	
-5	.2	.4	1.0	.1	.0	.0	.0	53	.1	1.7	
-6	.1	.1	.2	.1	.0	.0	.0	15		.5	
-7/-8	.0		.2	.1	.0	.0	.0	8	.0	.3	
-9/-10	.1	.1	.2	.0	.0	.0	.0	10		.3	
11/-13		.0	.1	.0	.0	.0	.0	3		.1	
TOTAL	14		1307		229		1		45	3006	
		75		1399		26		3051			
PCT	.5	2.5	42.8	45.9	7.5	.9	*	100.0	1.5	98.5	

PERIOD: (OVER-ALL) 1963-1973

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT) HGT
<1
1-2
3-4
5-6
7
8-9
10-11
12
13-16
17-19
20-22
23-25
26-32
33-40
41-48
49-60
61-70
71-86
HGT PCT 11-21 .2 3.0 10.2 7.4 3.5 .6 .1 .0 .0 .0 .0 .0 .0 .0 11-21 2.1 7.0 5.1 2.0 .0 .0 .0 .0 .0 .0 .0 PCT 4.0 10.4 11.0 2 2.7 1.1 ... 2 ... 1.0 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 1-3 48+ .00 .00 .00 .00 .00 .00 .00 .00 .00 HGT
<1
1-2
3-4
5-6
7
8-9
10-11
12
13-16
17-19
20-22
23-25
26-32
33-40
41-48
49-60
61-70
71-86
TPCT PCT 1-3 1-3 48+

PERIOD:	nve	D_4// 1	1043-1	0-1					SEPTEMBER				4954	0004	CANARY	TELANDE
rentuo.	(0,5		1703-1					TABLE	18 CONT	,			ANEA	28.		.1W
				PC	T FREG	-	SPEED	(KTS)	AND DIRE	CTION	VERSUS	SEA HEIG	HTS (FT			
				s								SW				
HGT	1-3	4-10	11-21	22-33	34-47	46+	PCT		1-3	4-10		22-33	34-47	48+	PCT	
<1	.1	.1	.0	.0	.0	.0	.2		.2	.4	.0	.0	.0	.0	.7	
1-2	.1	.3	.0	.0	.0	.0	.4		.1	.3		.0	.0	.0	.4	
3-4	.1	.1		.0	.0	.0	.2		.0	.1		.0	.0	.0	.2	
5-6	.0	.0	.0	.0	.0	.0	.0		.0	.1		.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	:0		.0	.0		.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	:0		.0	.0		.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	0		.0	.0		.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
TOT PCT	.2	.6		.0	.0	.0	.9		.3	, 9	. 3	.0	.0	.0	1.5	
				w								NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.3	.6	.0	.0	.0	.0	.9		.7	1.0	.0	.0	.0	.0	1.7	
1-2	.0	1.0	.1	.0	.0	.0	1.2		.2	1.8	.2	.0	.0	.0	2.2	
3-4	.0	.2	.1	.0	.0	.0	.3		.0	.4		.0	.0	.0	.9	
5-6	.0	.0	.0	.0	.0	.0	.0		.0			.1	.0	.0	.3	
7	.0	.0	.0	.0	.0	.0	.0		.0	.1		.0	.0	.0	.2	
8-9	.0	.0	.0	.0	.0	.0	.0		.0	•0		.0	.0	.0	.1	
10-11	.0	.0	.0	.0	.0	.0	.0		.0	•0		.1	.0	.0	.1	
12	.0	.0	.0	.0	.0	.0	.0		.0	•0		.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0		.0	•0		.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0		.0	•0		.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0		
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	:0		.0	.0		.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	:0		.0			.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0		.0			.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0		.0			.0	.0	.0	.0	
TOT PCT	.3	1.8	.3	.0	.0	.0	2.4		.9	3.2		.1	.0	.0	5.3	95.4

	WIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	8.2	7.3	.4	.0	.0	.0	15.9	003
1-2	1.3	19.0	5.9	.0	.0	.0	26.2	
3-4	•1	9.0	18.2	.9	.0	.0	28.1	
5-6	•0	1.8	13.0	1.9	.2	.0	16.9	
7	.1	.2	5.5	2.2	.1	.0	8.1	
8-9	•0	.0	1.2	1.4	.1	.0	2.6	
10-11	.0	.0	.3	.8	.0	.0	1.2	
12	.0	.0	.1	.2	.0	.0	.3	
13-16	•0	.0	.0	.5	.0	.0	.5	
17-19	•0	.0	.1	.1	.0	.0	.2	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	•0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	•0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								1735
TOT PCT	9.7	37.3	44.7	8.0	.3	.0	100.0	

TABLE 1

AREA 0004 CANARY ISLANDS 28.0N 15.1W

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT	PCPN PAST	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	
N NE	.4	.9	.4	.0	.0	.0	.0	1.6	1.5		1.6	.0	1.1	:1	94.0
NE	.1	.5	.4	.0	.0	.0	.0	1.0	.6	.6	.8	.1	.9	.2	95.8
E	.8	1.5	.5	.0	.0	.0	.0	2.8	.5	.0	.3	.0	1.1	.0	95.3
SE	1.0	2.6	1.3	.0	.0	•0	.0	4.8	1.3	1.3	.6	.0	.0	.0	92.0
2	.9	.8	.0	.0	.0	.0	.0	1.7	2.3	.0	. 8	.0	.0	.0	95.3
SW	2.6	4.5	1.1	.0	.0	.0	.0	8.2	2.2	2.8	.0	.0	1.1		86.2
W	2.0	2.7	1.0	.0	.0	.0	.0	5.7	2.8	2.3	1.0	.0	.5	.0	88.3
NW	1.1	1.5	.3	.0	.0	•0	.0	3.0	1.2	.8	1.0	.0	.0		94.3
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.5	.0	4.1	.0	.5	.0	95.0
TOT PCT	3797	1.1	.4	.0	.0	.0	.0	2.0	1.1	.6	1.2	.1	.8	.1	94.2

TABLE 2

DEDCENT	EREDHENCY	DE	WEATHER	OCCURRENCE	RV	HOUR

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE		
00603	.3	.7	.3	.0	.0	.0	.0	1.4	2.0	.4	1.2	.0	.3	.1	94.7
90330	.5	1.3	.8	.0	.0	•0	.0	2.6	1.3	1.3	1.3	.0	.7	.2	92.7
12615	.7	. 8	.2	.0	.0	.0	.0	1.8	.8	.0	1.0	.2	1.1	.1	95.0
18821	.6	1.1	.4	.0	.0	•0	.0	2.0	.5	.6	1.3	.0	1.0	.1	94.7
TOT PCT	3970	1.0	.4	.0	.0	•0	.0	2.0	1.1	.6	1.2	•1	.8	.1	94.3

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		WI	ND SPE	ED IKN	DTS)								HOUR	(GMT)				
NND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	FREQ	SPD	00	03	06	09	12	15	18	21	
N NE	1.8	12.6	8.4	2.3		.0		23.6	10.0	23.5	23.0	24.2		23.1	25.0	25.9		
E	1.0	3.4	1.4	.1		.0		5.9	8.4	5.5	4.3	5.9	5.6	7.0	4.5	6.1	5.3	
SE	.5	1.5	.3			.0		2.3	6.9	2.0	5.5	2.4	1.8	2.6	3.2	2.0	2.8	
S	.6	2.0	.9	.1		.0		3.5	8.6	3.0	2.3	2.9	3.8	4.1	4.7	4.1	3.8	
SW	.8	2.9	1.4	.3		.0		5.4	9.3	5.2	3.2	5.3	5.1	4.5	2.2	5.9	6.9	
W	1.0	3.0	1.5	.2		.0		5.7	8.7	4.9	6.4	6.0	7.1	5.7	3.7	5.7	5.8	
NW	1.0	4.6	1.6	.1		.0		7.3	8.4	7.8	7.7	7.6	8.2	6.8	9.9	6.8	6.9	
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	5.1							5.1	.0	5.6	3.6	6.0	2.9	5.6	2.0	4.5	4.3	
TOT OBS	1085	3903	2574	316	14	0	7892		9.6	1655	110	1600	652	1419	101	1539	816	
TOT PCT	13.7	49.5	32.6	4.0	.2	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TABLE 3A

WND DIR	0-6	WIND 7-16	SPEED 17-27	(KNOTS) 28-40	41+	TOTAL DRS	PCT	MEAN SPD	00	HDU1 06 09	12 15	18 21
N NE	7.0	13.6	2.7	.2	.0		23.6	10.0	23.5	23.0	23.2	24.5
	2.6	2.8	.4	.,	.0		5.9	8.4	5.5	5.8	6.9	5.8
E SE	1.3	.9	.1	.0	.0		2.3	6.9	2.2	2.2	2.6	2.3
S	1.7	1.4	.4		.0		3.5	8.6	2.9	3.1	4.2	4.0
SW	2.3	2.2	. 8	•1	.0		5.4	9.3	5.1	5.3	4.4	6.3
	2.4	2.7	.6		.0		5.7	8.7	5.0	6.3	5.6	5.7
NW	3.4	3.4	.6	.1	.0		7.3	8.4	7.8	7.8	7.0	6.8
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	5.1						5.1	.0	5.5	5.1	5.4	4.5
TOT OBS	2755	4049	1014	73	1	7892		9.6	1765	2252	1520	2355
TOT PCT	24 0		11 .		-				100 0	100 0	100 0	100 0

DCTDBER

PERIOD: (PRIMARY) 1915-1973 (OVER-ALL) 1855-1973

TABLE 4

AREA 0004 CANARY ISLANDS 28.0N 15.1W

PERCENTAGE	COENIENCY	20	HIND	COEED	BV	HOUR	/CHTI

				WIND	SPEED (KNOTS)			PCT	TOTAL
HOUR	CALM	1-3	4-10	11-21	22-33	34-47	48+	MEAN	FREQ	OBS
00603	5.5	8.5	49.1	32.8	4.0	.1	.0	9.6	100.0	1765
90300	5.1	9.0	51.1	31.2	3.5	.1	.0	9.3	100.0	2252
12615	5.4	8.6	46.1	35.1	4.6	.3	.0	9.9	100.0	1520
18621	4.5	8.6	50.3	32.3	4.1	.3	.0	9.7	100.0	2355
TOT	399	686	3903	2574	316	14	0	9.6		7892
PCT	5.1	8.7	49.5	32.6	4.0	.2	.0		100.0	100

TABLE

TABLE

	TABLE 5											TA	BLE 6					
,	CT FRE			CLOUD A		(EIGHTHS)			PERCEN	TAGE F	REQUEN	ICY OF	CEILIN NH <5/	B BY W	HTS (T,NH	14/8) IN	
WND DIR	0-2	3-4	5-7	8 & 085CD	TOTAL	CUTUD COVER	000 149	150 299	300 599	600 999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	
N	12.9	6.5	7.6	1.5		3.2	.1	.1	.1	.7	2.1	1.9	.3	.1	.3	.2	22.7	
NE	18.5	9.4	8.8			3.0	.2	.0	.2	.5	2.0	2.2	.8	.4	.1	.6	31.6	
E	2.1	. 8	1.5	.3		3.4	.0	.0	.0	.1	.6	.3		.0		.2	3.5	
SE	.8	.5	.6	.2		3.7		.0	.0		.1	.1		.0	.0	.1	1.6	
S	1.1	1.1	1.2			3.9			.0	1	.2	.2	.1	.0	.0	.1	3.0	
SW	1.5	.9	1.3			3.7		.0	.1	.3	.2	.4	.1	.0	.1		2.9	
W	2.2	1.2	1.1	.2		3.1		.0	.0		.2	.2	.1			.0	4.0	
NW	3.5	1.6	2.1			3.2	.0	.0	.0	.1	.6	.5	.1	.1		.1	6.1	
VAR	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	3.9	.8	1.1			2.4	.1	.0		.0	.4	.3	.1	.0		.1	5.1	
TOT OBS	1396	681	758		3000	3.1	12	3	11	55	194	183	51	18	19	41	2413	3000
TOT PCT	46.5	22.7	25.3		100.0			.1		1.8	4.5	4.1	1.7	. 6		1.4	80.4	100-0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

				VSBY (NH	1)			
CEILING	• 7R	- OR	• OR	- OR	= TR	· OR	- DR	- OR
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
= OR >6500	1.7	2.0	2.0	2.0	2.0	2.0	2.0	2.0
■ OR >5000	2.1	2.5	2.6	2.6	2.6	2.6	2.6	2.6
■ DR >3500	3.5	4.2	4.3	4.3	4.3	4.3	4.3	4.3
■ OR >2000	7.8	10.1	10.4	10.4	10.4	10.4	10.4	10.4
■ OR >1000	13.2	16.3	16.7	16.8	16.8	16.8	16.8	16.8
- OR >600	14.7	18.1	18.5	18.6	18.6	18.6	18.6	18.6
■ DR >300	14.9	18.3	18.9	19.0	19.0	19.0	19.0	19.0
- OR >150	14.9	18.4	18.9	19.1	19.1	19.1	19.1	19.1
= OR > 0	14.9	18.4	19.1	19.3	19.3	19.4	19.5	19.5
TOTAL	460	566	589	594	594	596	599	600

TOTAL NUMBER OF OBS: 3079

PCT FREQ NH <5/8: 80.5

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 0BSCD 0BS 21.8 17.9 17.8 13.3 9.0 5.2 5.5 5.2 4.0 .4 3281

n			

							OC	LOBER							
	915-1973 455-1973						TA					ARE	A 0004	CANAR'	ISLANDS
		•	PERCENT	PREC	OF WEND	DIRE	TH VAR	Y ING Y	ALUES	F DR A	161L11	URRENC Y	E OF		
VSBY (NM)		N	NE		50	5	5*		Nw	VAR	CALM	PCT	TOTAL		
41/2	PCP NO PCP TOT 1	.0	.0 .1 .1	.0	.0	.0	.0	.0	.0	.0	.1	.0			
1/2<1	PCP NO PCP TOT \$.0	.0	0	.0	.0	.0	.:	.0	.0	.0	:1			
142	PCP NO PCP TOT \$.1	.0 .1	.1	.0	.0	.0	.0	.0	.0	.0	.0			
245	PC# ND PC# 101 %	:	.6 .5	:	:0		11.7	.0	:	.0	.3	1.4			
5<10	PCP NO PCP TOT &	5.5 5.7	1:1	1.0	:	:	1.3		1.3	.0	1.4	20.3			
10+	PCP NO PCP 101 %	20.7	29.3	1.	100		214 No	!	*:4	.0	3.9	75.7			

-

								CTTON			ED		
VSBY	SPD KTS	N	NE		SE	5	S×		NW	VAR	CALM	PCT	TOTAL .
	0-3	.0			.0	.0	.0	.0	.0	.0	.1	.1	
<1/2	4-10		.1	.0	.0	.0	.0	.0	.0	.0		.1	
	11-21			.0	.0	.0	.0	.0	.0	.0			
	22+			.0	.0	.0	.0	.0	.0	.0			
	107 \$.1	.1	•	.0	.0	.0	.0	.0	.0	.1	.2	
	0-3	.0		.0	.0	.0	.0	.0	.0	.0	.0		
1/2<1	4-10	.0	.0	.0	.0			.1	.0	.0		.1	
	11-21			.0	.0	.0	.0	.0	.0	.0			
	22+	.0		.0	.0	.0	.0	.0	.0	.0			
	TOT \$	•	.1	.0	.0			.1	.0	.0	.0	.1	
	0-3		.0		.0	.0	.0	.0	.0	.0		.1	
1<2	4-10		.1		.0	.0			.0	.0		.2	
	11-21	.1	.1		.0	.0	.0	.0	.0	.0		.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.1	.1	.1	.0	.0	•		.0	.0		.4	
	0-3			.0	.0		.1			.0	.3	.5	
245	4-10	.1	.2		.0		.1			.0		.5	
	11-21	.2	.2		.0	.0	.1	.0	:0	.0		.5	
	22+	.0	.1	.0	.0	.0	.0	.0	.0	.0		.1	
	TOT \$.3	.5	.1	•0	.1	.3	.1	.1	.0	.3	1.6	
	0-3	.4	.6	.1	.1	.1	.2	.1	.1	.0	1.2	2.8	
5<10	4-10	2.5	3.3	.6	.2	.3	.7	.5	,9	.0	OT STATE	8.9	
	11-21	1.8	3.4	.3		.2	.3	.2	.3	.0		6.5	
	22+	.2	.5		.0		.1		.0	.0		.9	
	TOT \$	4.8	7.7	1.0	.3	.6	1.2	.9	1.3	.0	1.2	19.0	
	0-3	1.4	1.4	.7	.3	.4	.5	.8	.8	.0	3.9	10.1	
10+	4-10	11.0	15.5	2.4	1.1	1.5	1.8	2.2	3.8	.0		39.2	
	11-21	7.5	13.6	1.0	.3	.8	.9	1.1	1.4	.0		26.5	
	22+	.6	1.8		*	.1	.2	.1	.1	.0		2.9	
	TOT %	20.4	32.3	4.1	1.8	2:7	3.3	4.1	6.0	.0	3.9	78.6	
	OT DBS												5460
1	OT PCT	25.8	40.7	5.2	2.1	3.4	4.8	5.1	7.4	.0	5.4	100.0	

							CEMIP			CE OF	NH <5/	8 BY 1								
			JUR (MT)	149	150 299	300 599	999	1999	3499	4999	5000	6500 7999	8000+	TOTAL	ANY HGT					
		00	603	.5	.0	.0	2.0	5.4	5.1	1.5	.8	.9	.9	17.1	82.9	791				
		06	903	.5	.1	.4	2.4	8.0	6.4	1.6	.4	.7	1.7	22.4	77.6	741	,			
			2613	.5	.1	.5	1.3	6.5	6.7	2.1	.2	.1	2.0	20.0	80.0					
			1538	.0	.1	.5	1.5	4.8	5.2	1.6		.7	.9	16.2	83.8					
			CT	.4	.1	.3	1.8	198	166	1.7	.6	.6	1.4	18.8	81.2					
					TABL	E 11								T	ABLE 12					
			PERCEN	T FREQU	ENCY V	VSBY	(NM) 8	Y HOUR			cu	HULAT	CEILING	FREQ D	F RANGES	OF VS84	HOUR	AND/O		
	HUUR (GMT)	<1/2	1/2<1	1<2	24	(5	5<10	10+	TOTAL OBS			GMT)	<150 <50YD	<600 < <1	1000 100 45 AND		<5/8 5+	TOTAL		
	00603	.2	.1	.2	1.	.6	18.1	79.8	1320		0	E030	.5	.5	3.8 14	.6	81.7	742		
	90360	•3	.5	-4	1.	. 8	21.6	75.4	1512		0	6609	.7	1.3	5.2 19	.6	75.2	710		
	12615	•2	•2				17.8	80.0	1222			2615	.5	1.1	3.9 17		78.6	794		
	18821	•1	•1				19.2	78.8	1580			8621 TOT	.0	.6	4.0 13		82.2	833		
	PCT	.2	.2	.4		.5	1088	78.4	100.0			PCT	.4	.9	129 5	.3	79.5	100.0		
				TABLE											TABL					
TEMP F			JENCY DI						TOTAL	PCT					ENCY OF W					
80/84	0-29 30	.0	.0		.3	.4	.1		085	.9		N	NE .3	.1	SE S * .1	.0		NW *	VAR	CA
75/79 70/74 65/69	.0	.0	.1	.3 2	.0 26	5.2	3.0	11.8 1.8	324 2273 237	11.3 79.4 8.3	2		4.5	.7	0 2.7	3.4	4.9	6.3	.0	3
60/64 TOTAL	.0	.0	.0	.0	.0	.1	1057	405	2864	.2				.0	* .1	.0	.0	.0	.0	

CCTOBER

TABLE 10

AREA 0004 CANARY ISLANDS 28.0N 15.1W

TABLE 16

0-29 30-59 60-69 70-79 80-89 90-100 MEAN

.0 .5 9.7 27.5 42.6 19.7 82

.0 1.1 8.2 28.8 42.9 18.9 81

.0 2.8 21.1 41.0 27.6 7.6 76

.0 1.0 13.5 38.9 35.3 11.3 79

0 40 391 1019 1109 429 80

0

TABLE 15

MAX 99% 95% 50% 5% 1% MIN MEAN TOTAL OBS
81 76 74 71 68 65 61 71.1 1780
82 76 75 71 68 65 58 71.1 2276
85 82 79 74 70 67 58 73.9 1510
86 80 77 73 69 66 61 72.9 2344
86 80 77 72 68 66 55 72.2 7910

0

PERIOD: (PRIMARY) 1915-1973 (OVER-ALL) 1855-1973

 Tr	 -	-

PERIOD:	(PRIMARY)	
	(OVER-ALL)	1855-1973

*	LE	1	7

AREA 0004 CANARY ISLANDS 28.0N 15.1W

		********						-			
PLI FREE UF	WIE	IEMPERATURE	LOEG	F 1	AND	IME	DCCOKKENCE	UF	FUG	CMILLMOOL	PRECIPITATION)
		VS AT	-SEA	TE	MPER	ATUR	DIFFERENCE	. (BEG I	*)	

		-	-		and a						
AIR-SEA	61	65	69	73 76	77	81	85	тот	FDG	FOG	
14/16	.0	.0	.0	.1	.0	:1	.0	5		:1	
11/13	.0	.0		.0	.2	.0	.0			.2	
9/10	.0	.0		.2	.1	.1		17	.0	.5	
7/8	.0	.0	.1	.4	.6	.2	.0	46	.0	1.3	
	.0	.0	.1	.4	.5	.1	.0	40	.0	1.1	
5	.0	.1	.5	1.2	.8	.0	.0	89	.1	2.4	
	.0	.1	.6	1.4	.5		.0	93	.1	2.5	
3	.0	.1	.7	2.8	.6	.0	.0	151	.1	4.2	
2		.5	2.6	4.8	.5		.0	303	.2	6.3	
1	:	.5	5.1	7.3	.2	:	.0	472	.1	13.0	
0	•1	.9	11.2	8.1	.3	.0	.0	734	.2	20.3	
-1	.0	.7	14.4	4.5	.1	.0	.0	705	.2	19.5	
-2	.1	1.1	9.9	1.8		.0	.0	460	.2	12.7	
-3	.0	.7	4.5	.8	.0	.0	.0	213		5.9	
-4	.1	1.0		.3	.0	.0	.0	130		3.6	
-5	•1	.6	1.1	.2	.0	.0	.0	73	:	2.0	
-6		.2	.4	.1	.0	.0	.0	24	.0	.7	
-7/-8	.1	.2	.2	.0	.0	.0	.0	16	.0	.4	
-9/-10			.1	.0	.0	.0	.0	4	.1	:1	
-11/-13	.1		.0	.0	.0	.0	.0	9		.i	
TOTAL	19		1926		157	••	1		45	3541	
-140	.,	234	.,	1231		18	1000	3586			
PCT	.5	6.5	53.7	34.3	4.4	.5		100.0	1.3	98.7	

PERIOD: (OVER-ALL) 1963-1973

TABLE 18

				PC	T FREQ	F WIND	SPEED	(KTS)	AND DIREC	TION V	ERSUS S	EA HEIG	HTS (FT)		
				N								NE 22-33			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21		34-47	48+	PCT
<1	.7	2.7	.2	.0	.0	.0	3.6		.8	2.6	.2	.0	.0	.0	3.7
1-2	.5	9.1	2.8	.0	.0	.0	12.3		.5	10.4	3.1	.0	.0	.0	14.0
3-4		3.3	4.1	.1	.0	.0	7.6		.0	3.7	7.0	.3	.0	.0	11.1
5-6	.0	.6	2.5	.2	.0	.0	3.2		.0	.8	4.4	.5	.0	.0	5.7
8-9	.0		.9	.2	.0	.0	1.1		.0	.1	1.3	.4	.0	.0	1.7
10-11	.0		.1	.1	.0	.0	.2		.0	.0	.3	.4	.0	.0	.6
	.0	•0	.0	.1	.0	.0	.1		.0	.0		.3	.0	.0	.3
12	.0	.0	.0		.0	.0			.0	.0	.0	.2	.0	.0	
17-19	.0	.0	.0	.0		.0	.1		.0	•0	.1		.0	.0	:0
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	:0	.0		:0	.0	:0	:0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.3	15.7	10.5	.7		.0	28.2		1.3	17.6	16.4	2.1	.2	.0	37.5
				1400									- YY		
HGT	1-3	4-10	11-21	E 22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.5	.8	*****	.0	.0	.0	1.4		.2			.0	.0	.0	.6
1-2	.2	1.0	.3	.0	.0	.0	1.6		.1	.7	.1	.0	.0	.0	
3-4	.0		.6	.0	.0	.0	1,1		.0	.2	.2	.0	.0	.0	.4
5-6	.0	.1	.3	.0	.0	.0	.4		.0	.0	.0	.0	.0	.0	
7	.0	.0	.1	.0	.0	.0	:1		.0	.0		.0	.0	.0	
8-9	.0	.0	.0		.0	.0			.0	.0	.0	.0	.0	.0	-0
10-11	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
TOT PCT	.7	2.5	1.3		.0	.0	4.6		.3	1.2	.3	.0	.0	.0	1.9

PER100:	INVE	-411	1943-1	0-1					OCTOBER				4054	0004	CANARY	151 4405
PERTON.	COVE		1403-1					TABLE	18 (CON	T)			AREA			. 1W
				PC	T FREQ 05	WIND	SPEED	(KTS)	AND DIR	ECTION	VERSUS	SEA HEIG	HTS (FT	,		
				s								SW				
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3				34-47	48+		
1-2	.2	:	.2	.0	.0	.0	1.3		.2		!		.0	.0		
3-4	.0	.3	.6	.0	.0	.0	1.0		.2				.0	.0		
5-6	.0	.0	.3		.0	.0	.4		.0				.0	.0		
7	.0		.1		.0	.0	.2		.0				.0	.0		
8-9	.0	.0			.0	.0	:1		.0				.0	.0		
10-11	.0	.0	.0	.0	.0	.0	.0		.0				.0	.0		
12	.0	.0	.0	.0	.0	.0	.0		.0			0	.0	.0		
13-16	.0	.0	.0	.0	.0	.0	.0		.0	(.0	.0		
17-19	.0	.0	.0	0	.0	.0	.0		.0	(.0	.0		
20-22	.0	.0	.0	.0	.0	.0	.0		.0				.0	.0		
23-25	.0	.0	.0	.0	.0	.0	.0		.0				.0	.0		
26-32	.0	.0	.0	.0	.0	.0	.0		.0				.0	.0		
33-40	.0	.0	.0	.0	.0	.0	.0		.0				.0	.0		
41-48	.0	.0	.0	.0	.0	.0	.0		.0				.0	.0		
61-70	.0	.0	.0	.0	.0	.0	.0		.0				.0	.0		
71-86	.0	.0	.0	.0	.0	.0	.0		.0				.0	.0		
87+	.0	.0	.0	.0	.0	.0	.0		.0				.0	.0		
10T PCT	.4	1.7	1.3	:1	.0	.0	3.5		:4				.0	.0		
												NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.6	.5	.0	.0	.0	.0	1.0		.4	1.4	1	.0	.0	.0	1.9	
1-2	.2	1.6	.3	.0	.0	.0	2.1		.3	2.5	2	.0	.0	.0	3.0	
3-4	.0	.5	.6	.0	.0	.0	1.1		.0				.0	.0		
5-6	.0	.0	.4	.1	.0	.0	.4		.0				.0	.0		
7	.0	.0	.3	.1	.0	.0	.4		.0				.0	.0		
8-9	.0	.0		.0	.0	.0			.0		• • •		.0	.0		
10-11	.0	.0	.0	.0	.0	.0	.0		.0				.0	.0		
12	.0	.0	.0	.0	.0	.0			.0				.0	.0		
17-19	.0	.0	.0	.0	.0	.0	:0		.0				.0	.0		
20-22	.0	.0	.0	.0	.0	.0	:0		.0				.0	.0		
23-25	.0	.0	.0	.0	.0	.0	.0		.0				.0	.0		
26-32	.0	.0	.0	.0	.0	.0	.0		.0				.0	.0		
33-40	.0	.0	.0	.0	.0	.0	.0		.0				.0	.0		
41-48	.0	.0	.0	.0	.0	.0	.0		.0		0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0		.0				.0	.0		
61-70	.0	.0	.0	.0	.0	.0	.0		.0				.0	.0		
71-86	.0	.0	.0	.0	.0	.0	.0		.0				.0	.0		
87+	.0	.0	.0	.0	.0	.0	.0		.0				.0	.0		
TOT PCT	.7	2.5	1.6	.2	.0	.0	5.1		.7	4.0	1.7	.1	.0	.0	7.0	92.2

	WIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	12.4	9.5		.0	.0	.0	22.6	
1-2	2.3	26.8	7.0	.0	.0	.0	36.2	
3-4	•1	9.5	14.0	.5	.0	.0	24.1	
5-6	.0	1.4	8.4	1.0	.0	.0	10.9	
7	.0	.2	2.8		.0	.0	3.9	
8-9	.0		.6	.6	.0	.0	1.2	
10-11	.0	.0	.1	.3	.0	.0	.4	
12	.0	.0		.1	.0	.0	.2	
13-16	.0	.0	.1	.2	.2	.0	.6	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32		.0	.0	.0	.0	.0	.0	
33-40	•0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60				.0	.0	.0	.0	
61-70	•0	.0	.0			.0	.0	
71-86	•0	.0	.0	.0	.0	.0		
	•0	.0	.0	.0			.0	
87+	•0	.0	.0	.0	.0	.0	.0	2142
TOT PCT	14.8	47.5	33.9	3.6	.2	.0	100.0	2143

PERIOD: (PRIMARY) 1915-1973 (OVER-ALL) 1854-1973

0 0

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AREA 0004 CANARY ISLANDS 28.0N 15.0W

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

			,	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN	DRZL	FRZG	SNOW	OTHER FRZN PCPN	HATL	PCPN AT DB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	
N NE	:	2.0	::	:0	.0	.0	:0	3.6	2.1	:4	:5	.0	:5	:0	93.0
	1.7					.0		2.9	1.7	1.2	1.2				91.2
SE	3.0	2.7	2.3	.0	.0	.0	.0	8.1	2.9	5.0	1.2	.0	1.4	.6	82.9
5	4.6	2.5	1.0	.0	.0	.0	.0	0.1	2.8	3.2	.3	.0	.3	.0	85.7
SW	2.8	2.1	1.6	.0	.0	.0	.0	6.5	1.4	2.4	.4	.0	1.3	.0	88.0
	2.8	4.7	1.5	.0	.0	.0	.0	9.0	3.7	1.9	.0	.0	.3	.0	85.1
NW	2.0	2.4	1.3	.0	.0	.0	.0	5.7	1.5	.0	. 8	.0	.4	.0	91.6
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	2.0	.0	.0	.0	.0	.0	.0	2.0	.5	.5	1.5	.0	.0	:0	95.5
TOT PCT	1.5	1.8		.0	.0	.0	.0	4,1	1.5	1.1	.6	.0	.4	.1	92.2

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

				RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNDW	
00603	1.3		.7	.0	.0	.0	.0	2.9	1.6	2.0	.6	.0	.5	.1	92.2
90360	1.0	2.2	1.2	.0	.0	.0	.0	4.3	1.5	1.5	.6	.0	.4	.0	91.8
12615	1.9	2.0		.0	.0	.0	.0	4.7	1.9	.3	.4	.0	.2	.1	92.5
18621	1.7	2.2	.7	.0	.0	•0	.0	4.5	1.3	.7	1.1	.0	.7	.1	91.8
TOT PCT	1.5	1.8		.0	.0	•0	.0	4.1	1.6	1.1	.7	.0	.4	•1	92.1

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		WI	ND SPE	ED (KN	OTS)								HOUR	(GMT)	,		
WNO DIR	0-3	4-10	11-51	22-33	34-47	46+	TOTAL	FREQ	SPD	00	03	06	09	12	15	18	21
N NE	1.3	7.6	7.0	1.3	:1	.0		17.2	11.5	18.4	17.8	16.1	16.3	16.5	19.1	18.4	16.4
E	1.0	5.8	3.5	.5		.0		10.8	10.0	10.3	12.4	10.8	11.7	10.9	16.0	10.4	11.5
SE	.6	2.7	1.3	.3	.1	.0		4.9	10.0	4.4	3.9	4.8	5.5	6.2	6.1	4.7	3.8
S	.6	2.5	1.8	.5	.1	.0		5.5	11.2	5.8	8.2	4.8	4.5	6.7	8.2	5.4	3.8
SW	.6	3.2	1.8	.5	.1	.0		6.2	10.7	6.2	6.4	6.4	6.8	6.2	8.0	6.6	4.6
	.5	3.0	1.5	.5		.0		5.5	10.3	4.6	8.0	5.4	5.6	6.0	3.7	5.9	5.9
NW	.8	3.6	2.0	.6		.0		7.0	10.4	7.1	5.2	7.1	7.5	6.4	4.3	7.2	7.5
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	4.1							4.1	.0	5.3	5.2	6.0	2.8	3.3	1.1	3.3	2.0
TOT OBS	876	3550	3011	556	38	0	8031		10.9	1616	97	1687	684	1526	94	1540	787
TOT PCT	10.9	44.2	37.5	6.9	.5	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

WND DIR	0-6	WIND 7-16	SPEED 17-27	(KNOTS) 28-40	41+	TOTAL	PCT	MEAN SPD	00	HDU 06 09	12 15	18 21
N NE	4.2	9.3	3.2	:	.0		17.2	11.5	18.4	16.2	16.6	17.7
E.	3.6	5.8	1.3	.1	.0		10.8	10.0	10.4	11.0	11.2	10.8
SE	1.9	2.1	1.0	.1			5.5	10.0	6.0	5.0	6.8	4.4
SW	2.3	2.7	1.1	:2	.0		5.5	10.7	6.2	5.5	5.9	5.9
NW	2.5	3.2	1.2	.2	.0		7.0	10.4	7.0	7.2	6.3	7.3
CALH	4.1	.0	.0	•0	.0		4.1	:0	5.3	5.1	3.1	2.9
TOT OBS	2362	4055	1448	160	6	8031	100.0	10.9	1713	2371	1620	2327

PERIOD: (PRIMARY) 1915-1973 TABLE 4 AREA 0004 CANARY ISLANDS 28.0N 15.0M

PERCENTAGE FREQUENCY DF MIND SPEED BY HOUR (GHT)

MIND SPEED (KNOTS) PCT TOTAL

HOUR CALM 1-3 4-10 11-21 22-33 34-47 48+ MEAN FREQ 085

00603 5.3 6.9 45.4 34.7 7.2 .5 .0 10.6 100.0 1713

00609 5.1 6.7 40.0 35.9 5.8 .5 .0 10.4 100.0 2371

12615 3.1 7.0 41.9 40.1 7.6 .2 .0 11.2 100.0 1620

18621 2.9 6.7 49.1 39.3 7.4 .6 .0 11.2 100.0 1620

18621 2.9 6.7 49.1 39.3 7.4 .6 .0 11.2 100.0 2327

TOT 329 547 3550 3011 556 38 0 10.9 8031

PCT 4.1 6.8 44.2 37.5 6.9 .5 .0 100.0

8

TABLE 5 TABLE 6 PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8)
AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION 5-7 8 6 TOTAL OBSCD OBS 600 1000 2000 3500 5000 6500 8000+ NH <5/8 TOTAL 999 1999 3499 4999 6499 7999 ANY HGT DBS WND DIR 0-2 .1 .0 .0 .0 .0 .0 .0 .0 .0 .2 5.3 9.4 2.4 1.2 2.0 2.6 2.3 1.9 .0 .5 841 27.5 .0.0.0 1.5 2.1 .5 .4 .4 .5 .5 .6 .0 .2 203 6.6 .2 .0 .1 .1 .1 .0 .0 19 .6 5.7 8.8 1.5 .6 1.7 1.9 1.2 1.8 .0 .7 728 23.8 .2 .4 .1 .1 .1 .0 .0 .0 31 14.6 26.5 7.3 2.9 4.6 5.1 4.0 5.0 .0 4.8 2285 74.7

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING MEIGHT (NM >4/8) AND YSBY (NM)

					VSBY (NH)			
C	EILING	. OR	. OR	. OR	- OR	e DR	- OR	- OR	- DR
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
	>6500	1.1	1.4	1.4	1.4	1.4	1.4	1.4	1.4
- OR	>5000	1.9	2.3	2.3	2.3	2.3	2.3	2.3	2.3
- OR	>3500	4.2	4.8	5.0	5.0	5.0	5.0	5.0	5.0
- OR	>2000	9.7	11.4	11.6	111.6	11.6	11.6	11.6	11.6
. OR	>1000	17.2	20.4	21.0	21.1	21.2	21.2	21.2	21.2
. OK	>600	19.8	23.6	24.2	24.4	24.5	24.5	24.5	24.5
. OR	>300	20.1	24.1	24.8	25.0	25.1	25.1	25.1	25.1
- OR	>150	20.2	24.2	24.9	25.1	25.2	25.2	25.2	25.2
	> 0	20.3	24.4	25.1	25.3	25.4	25.4	25.4	25.4
	TOTAL	641	770	794	800	802	802	802	802

TOTAL NUMBER OF OBS: 3159 PCT FREQ NH 45/8: 74.6

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 08SCD 08S 18.0 15.8 17.4 13.7 8.9 6.2 7.2 5.2 7.4 .1 3367

M	-		-	-	-

PERIOD:	(PRIMARY)	1915-1973

TABLE 8

AREA 0004 CANARY ISLANDS

-WLL) I	854-1973						TA	BLE 8					2
		•	ERCENT								ON-OCC		E OF
VSBY (NM)		N	NE		se	5	SW		NW	VAR	CALM	PCT	TOTAL
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	NO PCP	.0	•		:0	:0	.0	:0	:0	.0	.0		
	TOT &	.0			.0	.0	.0	.0	.0	.0	.0		
	PCP	.0					.0	.0	.0	.0	.0	.1	
1/2<1	NO PCP		.1	.1		.0		.0	:0	.0	.0	.2	
	TOT &		.1	;1			•	:0	.0	.0	:0	:12	
	PCP		.0	.0	.0	.0	.1	.0		.0	.0	.1	
1<2	NO PCP	.0	•		.0	.0	.0	.0		.0	.0	.1	
	TOT &				.1	:0	.0	:0	.1	.0	.0	.2	
	PCP	.1		.1		.1	.1	.1		.0		.4	
245	NO PCP	:1	.2	.1		.1		:1	.1	.0	.1	1.0	
	TOT \$.3	.2	:1	.1	:1	.1	.1	.1	.0	.2	1.4	
	PCP	.4	.3	.1	.3	.3	.2	.3	.1	.0	.1	2.1	
5<10	NO PCP	2.8	5.0	1.4	1.2	1.2	1.1	1.0	1.2	.0	.6	15.4	
	TOT &	3.2	5.3	1.5	1.5	1.5	1.3	1.2	1.4	.0	.7	17.5	
	-				100000			100000		M. W.			

10+ PCP 15:4 28:3 7:1 3:3 5:1 5:4 4:6 5:1 :0 4:4 79:2 TOT'S 15:5 20:0 7:1 3:4 5:5 4:6 5:4 .0 4:4 60:5

TOT OBS TOT PCT 19.1 34.7 9.0 5.0 7.0 7.0 6.2 6.9 .0 5.2 100.0

-

VSBY SPD N HE E SE S SN H NN VAR CALH (NH) KTS <	PCT	TOTAL DBS
(NH) XTS 0-3 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0	
1/2(1 4-10 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0		200
11-21 .0 * * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	•	
22+ .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0	
TOT \$.0 * * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0		
1/2<1	.0	
1/241 4-10 * * .1 * .0 * * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	•	
11-21 .0 * * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0		
222	.2	
TOT \$ * .1 .1 * * * * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0		
0-3 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.1	
142 4-10 .0 * * * .0 * .0 .0	.3	
	.1	
11-21 * * * * .0 .0 .0 * .0	.1	
22+ .0 .0 .0 .0 .0 .0 .0 * .0	:	
TOT \$ * .1 * * .0 .1 .0 * .0 .0	.3	
0-3 * * * .0 .0 .0 .0 * .0 .2	.3	
2<5 4-10 .2 .1 * * .1 .1 .1 .0	.6	
	.4	
	.3	
	1.5	
0-3 .1 .3 .1 .1 .1 .1 .1 .0 .7	1.7	
5<10 4-10 1.2 2.0 .7 .4 .5 .4 .5 .5 .0	6.2	
11-21 1.1 2.1 .4 .4 .4 .4 .3 .5 .0	5.7	
707 \$ 2.8 4.8 1.4 1.1 1.3 1.0 1.0 1.2 .0 .7	15.3	
TOT \$ 2.8 4.8 1.4 1.1 1.3 1.0 1.0 1.2 .0 .7	15.3	
0-3 1.1 1.1 .7 .3 .5 .5 .4 .5 .0 3.8	9.0	
	36.5	
	31.7	
22+ 1.2 2.5 .2 .2 .3 .3 .4 .0	5.3	
707 \$ 16.2 31.8 7.7 3.2 4.9 5.0 4.6 5.4 .0 3.8	82.6	
TOT DES TOT DET 19.4 37.0 9.4 4.4 5.3 6.2 5.7 4.8 .0 4.6 10		5571

NOVEMBER

PERIOD: (PRIMARY) 1915-1973 (UVER-ALL) 1854-1973

TABLE 10

AREA 0004 CANARY ISLANDS 28.0N 15.0W

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY MOUR

HOUR (GMT)	000	150	300 599	600	1000	2000 3499	3500	5000	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL DBS
E0300	.1	.0	.4	2.1	8.4	6.3	2.7	.5	.5	.4	21.5	78.5	805
90300	.4	.1	.9	3.0	9.0	6.3	2.0	1.0	.8		24.2	75.8	799
12615	.3	.1	1.0	3.6	9.0	6.0	2.8	1.2	.2	1.5	25.7	74.3	869
18621	.0	.0	.0	3.9	10.5	7.2	2.8	.7	.0	1.3	26.5	73.5	819
PCT	.7	.1	19	104	304	212	85 2.6	28	12	33	806	2486 75.5	3292

TABLE 11

TARLE 1

								ettur. 47	-ue 0				ue-u	
		PERCENT	FREQUEN	CY VSBY	(NM)	BY HOUR	V	COMOLA	CEILIN	GHGT	(FEET,	NH >4/8	VSBY (NM)	ANDIUK
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL DBS	HOUR (GHT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL
00603	.1	.1	.4	2.0	14.8	82.7	1915	00603	.1	.5	4.1	19.3	76.6	757
06609	.0	.3	.3	1.7	17.2	80.6	1572	90360	.4	1.4	6.2	20.0	73.8	760
12615	.0	•2	.2	1.4	13.3	85.0	1302	12615	.4	1.5	6.3	20.4	73.3	843
18621	.0	.6	.3	1.2	16.5	81.4	1541	18621	.0	.3	5.8	21.8	72.5	799
TOT	1	16	16	1.6	15.6	4715	5730	TOT	7	30	177	644	2338	3159

TABLE 13

	PERC	ENT FR	EQUENC	Y OF R	ELATIV	E HUMI	DÍTY 8	Y TEMP		
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	DBS	PCT
80/84	.0	.0	.0	.0	.0	.1	.0	.0	2	.1
75/79	.0	.0	.1	.2	.5	1.3	.3	.2	75	2.6
70/74	.0	.0	.1	1.4	8.6	18.6	11.8	4.4	1305	45.0
65/69	.0	.0	.1	1.9	10.5	18.0	14.1	4.3	1420	49.0
60/64	.0	.0	.0	.0	.6	.9	1.1	.7	97	3.3
55/59	.0	.0	.0	.0		.0		.0	1	
TOTAL	0	0	10	100		1129	795	281	2900	100.0
PCT	-0	-0	. 2	3 4	20.2	38.0	-7.4	9.7		

TABLE 14

	PERC	ENT FR	EQUENCY	OF W	IND DI	RECTIO	N BY T	EMP	
N	NE	E	SE	S	SW	W	NW	VAR	CALM
		.0	.0	.0	.0	.0	.0	.0	.0
.5	.7	.2		.0	.4	.2	.1	.0	.2
7.2	15.6	5.7	2.1	3.7	3.5	3.2	2.8	.0	1.2
10.8	19.3	3.6	1.7	2.7	3.0	3.1	3.2	.0	1.6
. 8	1.2	.1	.2	.2	.2	.4	.2	.0	.0
.0	.0	.0			.0	.0	.0	.0	.0
19.4	36.9	9.6	4.1	6.9	7.1	6.9	6.3	.0	2.9

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY MOUR

UR MAX 99% 95% 50% 5% 1% MIN MEAN TOTAL

MT)

603 79 74 72 69 64 62 50 68.5 1751

609 82 74 72 68 64 62 50 68.2 2284

615 84 79 76 71 66 62 52 70.8 1607

621 84 77 75 70 65 63 50 69.8 2392

UT 84 77 74 69 65 62 50 69.2 3664

TABLE 16

	C44 . WE	dofine.				. nuo	•
0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
.0	2.1	15.5	40.9	28.9	12.6	78	748
.0	2.0	18.7	34.5	33.3	11.6	78	766
.0	7.7	26.6	40.5	18.7	6.5	74	743
.0	3.5	20.2	38.7	28.7	8.8	76	762
0	115	611	1166	829	298	76	3019
	0-29 .0 .0 .0	0-29 30-59 .0 2.1 .0 2.0 .0 7.7 .0 3.5	0-29 30-59 60-69 .0 2.1 15.5 .0 2.0 18.7 .0 7.7 26.6 .0 3.5 20.2	0-29 30-59 60-69 70-79 .0 2.1 15.5 40.9 .0 2.0 18.7 34.5 .0 7.7 26.6 40.5 .0 3.5 20.2 38.7	0-29 30-59 60-69 70-79 80-89 .0 2.1 15.5 40.9 28.9 .0 2.0 18.7 34.5 33.3 .0 7.7 26.6 40.5 18.7 .0 3.5 20.2 38.7 28.7	0-29 30-59 60-69 70-79 80-89 90-100 .0 2.1 15.5 40.9 28.9 12.6 .0 2.0 18.7 34.5 33.3 11.6 .0 7.7 26.6 40.5 18.7 6.8 .0 3.5 20.2 38.7 28.7 8.8	.0 2.1 15.5 40.9 28.9 12.6 78 .0 2.0 18.7 34.5 33.3 11.6 78 .0 7.7 26.6 40.5 18.7 6.5 74 .0 3.5 20.2 38.7 28.7 8.8 76

NOVEMBER

PERIOD: (PRIMARY) 1915-1973 (OVER-ALL) 1854-1973

TABLE 17

AREA 0004 CANARY ISLANDS 28.0N 15.0W

PCT	FREQ	OF	AIR	TEMPERATURE	IDEG	F)	AND	THE	OCCURRENCE	OF	FOG	(WITHOUT	PRECIPITATION)
				VS Als	-SEA	TE	MPER	TUR	DIFFERENCE	F (DEG I	-)	

				~		EM. EN.	MIUNE	Dire	MENCE	DEO		
AIR-SEA TMP DIF	49 52	53 56	57 60	64	65	69 72	73 76	77 80	81 84	TOT	FOG	FOG
17/19	.0	.0	.0	.0	.0	.0	.0	.1	.0	2	.0	.1
14/15	.0	.0	.0	.0	.0	.0	.0	.0		1	.0	
11/13	.0	.0	.0	.0	.0	.0	.1	.0	.0	2	.0	.1
9/10	.0	.0	.0	.0	.0	.1	.2		.0	11	.0	.3
7/8	.0	.0	.0	.0		.1	.3	.1		21	.0	.6
6	.0	.0	.0	.0	.0	.1	.1	.1			.0	.2
5	.0	.0	.0	.0	.1	.3	.7	.2	.0	46		1.2
4	.0	.0	.0		.3	.7	.8	.1	.0	72	.0	2.0
3	.0	.0	.0		.2	.7	1.6	.1	.0	96	.0	2.6
2	.0	.0	.0	.1	1.5	2.3	2.3	.1	.0	227		6.2
1	.0	.0	.0	.1	1.2	6.0	2.0	.0	.0	338	.1	9.3
0	.0	.0	.0	.5	3.8	10.7	1.6	.0	.0	601	.1	16.4
-1	.0	.0		.5	4.4	11.8	.8	.0	.0	634	.1	17.4
-2	.0	.0	.0	.7	6.5	8.4	.4	.0	.0	581		16.0
-3	.0	.0	.0	.3	6.6	4.5	.1	.0	.0	416		11.4
-4	.0	.0	.1	.7	3.8	2.3	.1	.0	.0	255		7.0
-5	.0	.0		.6	2.5	1.0	.0	.0	.0	148		4.1
-6	.0	.0	.0	.4	.7	.3		.0	.0	51	.0	1.4
-7/-8	.0			.6	.9	.3	.0	.0	.0	67	.0	1.8
-9/-10	.0	.0	.0	.2	.2	.1	.0	.0	.0	18	.0	.5
-11/-13	.0	.0	.2	.2	.1	.0	.0	.0	.0	17	.0	.5
-14/-16		.1	.1	.0	.0	.0	.0	.0	.0	6		.1
-17/-19	.0	.1	.0	.0	.0	.0	.0	.0	.0	3	.1	
-20/-22	.1	.0	.0	.0	.0	.0	.0	.0	.0	5	.1	.1
TOTAL	6		16		1193		401		3		20	3606
		6		172		1802	1	27		3626		
PCT	.2	.2	.4	4.7	32.9	49.7	11.1	.7	.1	100.0	.6	99.4

PERIOD: (QVER-ALL) 1963-1973

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT) HGT
<1
1-2
3-4
5-6
7
8-9
10-11
12
13-16
17-19
20-22
23-25
26-32
33-40
41-48
49-60
61-70
71-66
87+ 1-3 4-10 1.2 4.8 1.8 1.0 .0 .0 .0 .0 .0 .0 .0 .0 11-21 3.6 7.1 5.8 2.2 .5 .1 .0 .0 .0 .0 .0 .0 .0 PCT 1.8 6.7 4.8 1.4 .6 .6 .1 .3 ** 1-3 HGT <1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-23 24-32 33-40 41-48 49-60 61-70 71-86 87+ 1-3 34-47 1-3 -47 48+

									NOVE	ABER							
PERIOD:	COAE	R-ALL)	1963-	1973				-	16	CONT				AREA			Y ISLANDS
								ADLE	10	Culti					20	· UN	15.0
				PC	T FREQ	OF WIND	SPEED	(KTS)	AND	DIREC	TION	VERSUS	SEA HEIG	HTS (FT)		
				s									SW				
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT			1-3	4-10		22-33	34-47	48+	PC	
<1	.5	.4	.0	.0	.0	.0	.9			.5	8		.0	.0	.0	1.	
1-2	.2	1.7	1.2	.0	.0	.0	2.3			.1	1.8		.0	.0	.0	2.	
5-6	.0	.6	.6	.0	.0	.0	1.8			.0	. 8		.1	.0	.0	1.	
7	.0	.1	.2	:1	.0					.0	• 2			.0	.0		
8-9	.0	.0		:1	.0	.0	.2			.0	.0		.1	.0	.0		
10-11	.0	.0	.0	:1		.0	.2			.0	.0		.0	.0	.0		
12	.0	.0	.0		.0	.0				.0	.0		.0		.0		
13-16	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0		
17-19	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0		
20-22	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0		
23-25	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0		
26-32	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0		
33-40	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0)
41-48	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0)
49-60	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0		
61-70	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0)
71-86	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0		
87+	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0		
TOT PCT	.7	2.8	2.4	.4	•1	.0	6.4			.7	3.6	2.0	.3		•0	6.	
													NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT			1-3	4-10	11-21	22-33	34-47	48+	PC	TOTAL
<1	.2	.7	.0	.0	.0	.0	.9			.1	.4		.0	.0	.0		
1-2	.1	1.8	.2	.0	.0	.0	2.1			.1	2.1		.0	.0	.0	2.	
3-4	.0	.4	.5	.1	.0	.0	1.0			.0	1.0			.0	.0	2.	
5-6	.0		.5	.2	.0	.0	.7			.0	• 2		.1	.0	.0	1.	
7	.0		.2	.0	.0	.0	.2			.0	.0			.0	.0		
8-9	.0	.0	.0	.1	.0	.0	.1			.0	.0			.0	.0		A STATE OF THE
10-11	.0	.0	.0	.0	.0	.0	.0			.0			.1	.0	.0		
13-16	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0		
17-19	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0		
20-22	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0		
23-25	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0		
26-32	.0	.0	.0	.0	.0	.0	:0			.0	.0		.0	.0	.0		
33-40	.0	.0	.0	.0	.0	.0	:0			.0	.0		.0	.0	.0		
41-48	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0		
49-60	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0		
61-70	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	715	
71-86	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0		
87+	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0		
TOT PCT	.3	3.0	1.3	.4		.0	4.9			.2	3.7		.4	.0	.0	6.	

	WIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	10.9	6.0	.3	.0	.0	.0	17.2	003
1-2	1.4	22.1	7.9	.0	.0	.0	31.4	
3-4	•1	9.3	14.9	.9	.0	.0	25.2	
5-6		2.0	12.2	2.0		.0	16.3	
7	•0	.2	4.1	1.5	.0	.0	5.8	
8-9	.0	.0	.9	1.1		.0	2.1	
10-11	•0		.3	.7	.1	.0	1.0	
12	•0	.0	.0	.3		.0	.3	
13-16	•0	.0	.1	.4	.1	.0	.7	
17-19	•0	.0	.0		.0	.0		
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	•0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	•0	.0	.0	.0	.0	.0	.0	
41-48	•0	.0	.0	.0	.0	.0	.0	
49-60	•0	.0	.0	.0	.0	.0	.0	
61-70	•0	.0	.0	.0	.0	.0	.0	
71-86	•0	.0	.0	.0	.0	.0	.0	
87+	•0	.0	.0	.0	.0	.0	.0	
								2295
TOT PCT	12.5	39.A	40.6	7.0	.3	.0	100.0	

PERIOD: (PRIMARY) 1920-1973 (OVER-ALL) 1855-1973

TABLE 1

AREA 0004 CANARY ISLANDS 28.0N 15.1W

DEGCENT	CREMIENCY	as	MEATUED	BECURRENCE	PY	MIND	DIRECTION

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHENO	MENA	
WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HATL	PCPN AT DB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG NO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	SIG WEA
N NE	:3	2.1	1.0	:0	.0	•0	.2	4.0	2.4	:1	:4	:1	.3	:0	93.0
E SE	1.0	.3	.6	.0	.0	.0	.0	2.5	1.0	.7	:0	.0	1.3	.0	94.1
S	.0	2.6	.0	.0	.0	.0	.0	3.3	7.7	:0	1.0	.0	1.0	.0	98.6
SW	3.3	7.0	.2	.0	.0	•0	.0	8.4	3.4	1.4	3.3	.0	.0	.0	84.9
VAR	2.1	3.2	1.2	.0	.0	.0	.1	6.6	7.0	.5	.0	.0	.5	.0	85.4
CALM	:0	.0	.0	.0	.0	.0	.0	:0	.0	:0	3,1	.0	.0	:0	96.9
TOT PCT TOT OBS:	3960	1.6	.7	.0	.0	.0	,1	3,2	2.1	.5	.5	•	.4	•	93,4

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG NO PCPN PAST HR	SMOKE	SPRAY BLWG DUS BLWG SNO	
00603	1.0	1.4	.8	.0	.0	.0	.0	3.3	2.0	.8	.2	.0	.3	.0	93.4
90300	1.2	1.4	.9	.0	.0	.0	.2	3.7	1.9	.6	.5	.0	.0	.1	93.5
12615	.6	1.7	.6	.0	.0	.0	.0	2.8	2.9	.0	.6	.0	.6		93.2
18621	.9	2.1	.5	.0	.0	•0	.0	3.4	1.9	.5	.5	.1	.5	.0	93.3
TOT PCT	4004	1.7	.7	.0	.0	.0		3.3	2.2	.5	.5		.3		93.4

TABLE :

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		WIN	D SPE	ED (KN	DTS1								HOUR	(GMT)			
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	FREQ	MEAN	00	03	06	09	12	15	18	21
N NE	1.1	7.6	7.0	1:7	:1	.0		17.6	12.2	17.6	29.2	17.8	16.1	17.5	20.7	19.4	14.1
E	.9	7.7	5.2		.0	.0		14.4	10.4	13.2	7.2	14.7	17.1	14.9	15.4	13.0	16.3
SE	.4	2.5	1.2			.0		4.3	9.5	3.0	.0	4.6	4.6	4.8	.7	4.7	5.7
5	.6	1.7	.6	.5		.0		3.1	8.5	2.8	3.6	2.7	3.0	3.2	3.4	3.8	3.1
SW	.5	2.1	1.3	.3		.0		4.2	9.9	3.4	3.1	3.8	5.7	4.1	4.1	4.7	5.4
	.5	1.8	1.4	.4	.1	.0		4.2	11.5	3.5	3.1	4.4	4.4	4.3	4.3	4.4	4.4
NW	.5	2.9	1.5	.5	.1	.0		5.4	10.9	5.1	5.8	5.3	5.8	4.9	3.8	5.8	6.6
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	3.5							3.5	.0	4.4	2.2	4.4	3.7	3.2	1.0	2.3	2.7
TOT OBS	782	3573	3141	659	46	0	8201		11.3	1700	90	1638	697	1512	104	1583	877
TOT PCT	9.5	43.6	38.3	8.0	.6	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

WND DIR	0-6		SPEED 17-27	(KNOTS) 28-40	41+	TOTAL	PCT	MEAN SPD	00	06 09	12 15	18 21
N NE	4:2	9.1	3.7	1:5	.0		17.6	12.2	18.2	17.3	17.7	17.5
E	3.9	8.3	2.1				14.4	10.4	12.9	15.4	14.9	14.2
SE	1.7	2.0	.6		.0		4.3	9,5	2.9	4.6	4.5	5.1
S	1.6	1.2	.3				3.1	8.5	2.8	2.8	3.2	3.5
SW	1.7	1.8	.7	.1	.0		4.2	9.9	3.4	4.3	4.1	4.9
	1.4	1.7	. 8	:1	.0		4.2	11.5	3.5	4.4	4.3	4.4
NW	1.9	2.4	.8	.3			5.4	10.9	5.1	5.4	4.8	6.1
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	3.5						3,5	.0	4.2	4.2	3.1	2.4
TOT DBS	2225	4179	1558	235	4	8201		11.3	1790	2335	1616	2460
TOT PCT	27.1	51.0	19.0	2.9			100.0		100.0	100.0	100.0	100.0

DECEMBER

PERIOD: (PRIMARY) 1920-1973 (OVER-ALL) 1855-1973 TABLE 4 AREA 0004 CANARY ISLANDS 28.0N 15.1W

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND 11-21	SPEED (KNOTS)	48+	MEAN	PCT	TOTAL
00603	4.2	6.2	43.4	37.9	7.7	.6	.0	11.2	100.0	1790
90300	4.2	5.6	43.5	36.7	7.7	.4	.0	11.1	100.0	2335
12615	3.1	5.4	42.3	39.2	9.2	. 8	.0	11.7	100.0	1616
18621	2.4	6.9	44.6	37.6	7.9	.5	.0	11.3	100.0	2460
TOT	284	498	3573	3141	659	46	0	11.3		8201
PCT	3.5	6.1	43.6	38.3	8.0	.6	.0		100.0	

TABLE 5

TABLE 6

	PCT FRE			DIREC		(EIGHTHS)							CEILIN NH <5/					
WND DIR	0-2	3-4	5-7	8 E 085CD	TOTAL OBS	CLOUD COVER	000 149	150	300 599	600	1000	2000	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	
N	5.8	5.4	7.9	2.7		4.3	.0	.0	.1	1.0	3.0	2.8	1.4	.2	.1	.2	12.8	
NE	15.8	10.4	16.6	5.0		4.0		.0	.2	1.7	5.8	5.5	2.5	.6	.2	.5	30.8	
E	5.7	1.8	2.9	1.2		3.2		.0	.0	.3	1.0	.7	.4	.1	.2	.2	8.8	
SE	1.7	.4	.7	.1		2.7	.0	.0	.0		.1	.2	.1	.1	.0	.0	2.3	
S	.7	.4	. 8	.3		4.4	.0	.0	.0	.1	.2	.2	.1	.0	.0	.0	1.5	
SW	.5	.2	.9	.4		4.9	.0	.0	.0	.1	.3	.4					1.2	
	.7	.8	1.3	.5		4.8	.0	.0	.1	.2	.4	.3	.3	.0	.1		1.9	
NW	.9	1.4	1.9	.5		4.5	.0	.0	.1	.2	.6	.5	.2	.0		.0	3.1	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	2.2	.4	.6	.4		2.4	.1	.0	.0	.1	.2	.2	.2	.0	.1	.1	2.7	
TOT DBS	1076	673	1064	355	3168	3.9	4	0	19	114	371	342	168	32	22	31	2065	3168
TOT PCT	34.0	21.2	33.6	11.2	100.0		.1	.0	.6	3.6	11.7	10.8	5.3	1.0	.7	1.0	65.2	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANFOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

					VSBY (NM)			
CE	ILING	- DR	· OR	- OR	- OR	· DR	- OR	· OR	· DR
	EET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
OR	>6500	1.5	1.6	1.7	1.7	1.7	1.7	1.7	1.7
DR	>5000	2.4	2.7	2.7	2.7	2.7	2.7	2.7	2.7
	>3500	6.9	7.8	7.9	7.9	7.9	7.9	7.9	7.9
	>2000	16.3	18.4	18.7	18.8	18.8	18.8	18.8	18.8
	>1000	26.6	29.9	30.4	30.5	30.5	30.5	30.5	30.5
OR	>600	29.9	33.6	34.1	34.2	34.2	34.2	34.2	34.2
OR		30.3	34.1	34.7	34.8	34.8	34.8	34.8	34.8
OR		30.3	34.1	34.7	34.8	34.8	34.8	34.8	34.8
OR		30.3	34.2	34.8	34.9	34.9	34.9	34.9	34.9
	TOTAL	985	1110	1131	1133	1134	1135	1135	1135

TOTAL NUMBER OF OBS: 3249 PCT FREQ NH <5/8: 65.1

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

1 2 3 4 5 6 7 8 OBSCO OBS 16.7 11.1 13.3 13.1 10.1 7.5 9.8 8.9 9.3 .1 3478 DECEMBER

PERIOD: (PRIMARY) 1920-1973 (OVER-ALL) 1855-1973 TABLE 8 AREA 0004 CANARY ISLANDS 28.0N 15.1W

wrr.	1033-1713							DEE O					-
		P	ERCENT						URRENCE ALUES			URRENC	E OF
VSBY		N	NE	E	SE	5	SW		NH	VAR	CALM	PCT	TOTAL
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	NO PCP		.0	.0	.0	.0	.0	.0		.0		.1	
	TOT %		.0	.0	.0	.0	.0	.0		.0		.1	
	PCP			.0	.0		.1	. 1	.0	.0	.0	.2	
1/24		.0		.0	.0	.0	.1		.0	.0	.0	.1	
	TOT %			:0	.0		. 2	.1	.0	.0	.0	.3	
	PCP	.0	.0	.0	.0	.0		.0	.0	.0	.0		
1<2	NO PCP			.1	.0		.0	.0	.0	.0	.0	.2	
	TOT %			:1	.0			.0	.0	.0	.0	.2	
	PCP	.2	.0	.0	.0	.0				.0	.0	.1	
2<5	NO PCP	.2	.3	. 1	.0	. 1	.1		.1	.0	.1	1.0	
	TOT %	.3	.3	:1	.0	• 1	.1	.1	.1	.0	.1	1.1	
	PCP	.4	.5	.1	.0		.1	.1	.1	.0	.0	1.4	
5<10	NO PCP	2.7	5.9	2.2	:7	.5	.6	.6	.7	.0	.3	14.3	
	TOT %	3.1	6.5	2.3	.7	.6	.7	.7	.8	.0	.3	15.7	
	PCP	.4	.5	9:4			. 1	2:6	3:7	.0	.0	1.5	
10+	NO PCP	17.3	39.3	9.4	2.6	1.7	1:7	2.6		.0	2.9	81.2	
	TOT %	17.7	39.8	9.6	2.6	1.8	1.8	2.7	3.9	.0	2.9	82.7	
	TOT OBS												3947
	TOT PCT	21.2	46.7	12.1	3.3	2.5	2.7	3.6	4.9	.0	3.2	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED

					WITH V	ARYING	VALUE	S OF V	ISIBIL	ITY			
V58Y	SPO KTS	N	NE	ε	SE	s	SH	¥	NW	VAR	CALM	PCT	TOTAL
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	*	*	
<1/2	4-10		.0	.0	.0	.0	*		*	.0		.1	
	11-21	.0		.0	.0	.0	.0	.0	.0	.0			
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	*	*	.0	.0	.0			*	.0	*	.1	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	4-10	.0		.0	.0	.0	.0	.0	.0	.0		*	
	11-21		*	.0	.0	.0	.1	*	.0	.0		.1	
	22+	.0	.0	.0	.0				.0	.0		.1	
	TOT %			.0	.0		.1		.0	.0	.0	.2	
	0-3			.0	.0	.0	.0	.0	.0	.0	.0		
1<2	4-10	.0	.0		.0	.0	.0		.0	.0		.1	
	11-21				.0	.0	.0	.0	.0	.0		.1	
	22+	.0	.0				*	.0	.0	.0		.1	
	TOT %	*		.1		*			.0	.0	.0	.2	
	0-3		.1	.0	.0		.1	.0		.0	.1	.3	
2<5	4-10	.1		.1	.0	*	.1	*	*	.0		.3	
	11-21	.2	.2	.1	.0	.0	*	.1	*	.0		.6	
	22+	*		.0	.0		.0	.0		.0		.1	
	TOT %	.3	.3	.2	.0	.1	.1	.1	.1	.0	.1	1.3	
	0-3	.2	.3	.1		.1	.2	.1	.1	.0	.3	1.4	
5<10	4-10	1.0	1.9	1.0	.4	.3	.3	.2	.4	.0		5.5	
	11-21	1.2	2.7	.8	.1	.2	.2	.2	.3	.0		5.7	
	22+	2.7	.7	.1		*	.1	.7	.2	.0		1.7	
	TOT %	2.7	5.6	2.0	.6	.6	.7	.7	.9	.0	.3	14.2	
	0-3	.6	15.3	.6	.2	1.3	.3	1.5	.3	.0	3.0	7.1	
10+	4-10	7.1	15.3	5.9	1.6	1.3	1.6	1.5	2.4	.0		36.7	
	11-21	6.7	18.3	3.8	1.1	.4	1.0	1.1	1.2	.0		33.5	
	22+	1.6	3.6	.4	.1	.1	-1	.3	.4	.0		6.6	
	TOT %	16.0	38.5	10.7	3.0	2.3	3.0	3.3	4.2	.0	3.0	83.9	
	OT OBS												5734
T	TOT DOT	10 1	44 8	12 0	- 4	2 0	4 1	4 2		•	2 4	100 0	

DECEMBER

PERIOD: (PRIMARY) 1920-1973 (UVER-ALL) 1855-1973

0

0

TABLE 10

AREA 0004 CANARY ISLANDS 28.0N 15.1W

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600	1000	2000 3499	3500 4999	5000	6500	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL
00603	.0	.0	1.0	3.2	10.4	9.8	3.9	.7	.5	1.0	30.4	69.6	825
90360	.4	.0	.4	3.2	12.8	10.4	4.9	.9	.7	1.1	34.7	65.3	758
12615	.1	.0	.3	3.8	10.4	11.5	6.1	1.2	.4	. 8	34.7	65.3	895
18621	.0	.0	.6	4.0	11.9	10.3	5.1	1.1	1.0	1.0	34.9	65.1	902
TOT	4	0	19	120	383	356	170	34	22	32	1140	2240	3380

TABLE 11

TABLE 1

		PERCENT	FREQUEN	CY VSBY	(NM)	BY HOUR		CUMULAT	TVE PCT	FREQ IG HGT	OF RAN	GES UF	VSBY (NM)	AND/OR
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TUTAL
00603	.1	.2	.3	1.7	13.9	83.7	1341	00803	.0	1.0	5.7	26.9	67.5	778
90360	.0	.3	.1	1.4	16.1	82.1	1537	90360	.4	.8	5.2	31.4	63.4	724
12615	.1	.2	.2	1.4	11.9	86.2	1328	12615	.1	.6	5.6	30.6	63.8	872
18621	.1	.1	.3	.9	15.6	83.0	1671	18621	.0	.6	5.6	30.8	63.6	874
TOT	.1	12	14	77	853	4916 83.6	5877	TOT	.1	24	180	972	2096	3248

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F 0-29 30-39 40-49 50-59 60-69 70-79 80-89 90-100 0BS FREQ

75/79 .0 .0 .0 .1 .1 .1 .0 .0 .0 9 .3
70/74 .0 .0 .1 .9 2.2 1.8 1.2 .4 201 6.7
65/69 .0 * .4 5.8 20.2 23.4 12.8 4.2 1997 66.9
60/64 .0 .0 .3 2.5 7.6 8.7 5.0 1.8 771 25.8
55/59 .0 .0 .0 .0 .0 .1 .1 .1 * 6 .2
10TAL 0 1 27 277 900 1014 571 194 2984 100.0
PCT .0 * .9 9,3 30.2 34.0 19.1 6.5

TABLE 14

TABLE 15
MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

TABLE 16

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	HIN	MEAN	TOTAL
60300	79	71	69	65	62	57	46	65.3	1812
90300	74	71	69	65	61	57	46	65.3	2346
12615	82	76	73	68		59			
				7.0	63		46	67.7	1624
18621	79	74	71	66	63	59	46	66.5	2455
TOT	82	74	71	66	62	58	46	66.1	8237

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HQUR

0-29 30-59 60-69 70-79 80-89 90-100 MEAN OBS

080003 .0 6.6 29.4 36.4 20.9 6.7 74 756

06609 .0 8.9 26.0 35.9 22.3 6.8 74 730

12615 .0 16.5 31.6 31.6 14.6 5.6 70 765

18621 .0 9.4 33.3 31.2 18.8 7.3 72 834

TOT 0 319 932 1039 590 205 72 308

PERIOD: (PRIMARY) 1920-1973 (OVER-ALL) 1855-1973

TABLE 17

AREA 0004 CANARY ISLANDS 28.0N 15.1W

PCT	FREQ OF	AIR	TEMPERATURE	IDEG	F	AND	THE	DCCURRENCE	DF	FOG	(WITHOUT	PRECIPITATION)
			VS AT	O-SFA	TF	MPFR	ATUR	E DIFFERENCE	F (DEG I	-1	

					42 WI	K-SEW	IEMPE	KATURE	DIF	PERENCE	(DEC F)		
AIR-SEA	45	49	53	57	61	65	69	73	77	81	TOT		WO
THP DIF	48	52	56	60	64	68	72	76	80	84		FOG	FOG
17/19	.0	.0	.0	.0	.0	.0	.0	.0	.0		2	.0	.1
11/13	.0	.0	.0	.0		.0	.0	.1	.0	.0		.0	.1
9/10	.0	.0	.0	.0		.1	.1	.1	. 1	.0	11	.0	.3
7/8	.0	.0	.0	.0	.0	.1	.2	.2		.0	23	.0	.6
6	.0	.0	.0	.0	.0	.1	.2	.1	.1	.0	18	.0	.5
5	.0	.0	.0	.0		.4	.4	.2	.0	.0	38	.0	1.0
4	.0	.0	.0	.0		.6	. 6	.4	.0	.0	75	.0	2.0
3	.0	.0	.0	.0		. 8	1.0	.2	.0	.0	76	.0	2.1
2	.0	.0	.0	.0	. 8	1.9	1.9	.2	.0	.0	176	.0	4.8
1	.0	.0	.0	.0	.7	3.8	2.7	.1	.0	.0	269	.1	7.2
0	.0	.0	.0		1.4	8.7	2.8	.1	.0	.0	479	.2	12.8
-1	.0	.0	.0	.1			1.6	.0	.0	.0	623	.1	16.7
-2	.0	.0	.0	.2	4.6	13.0	. 8	.0	.0	.0	687		18.6
-3	.0	.0	.0	.2	4.9	7.8	.3	.0	.0	.0	490		13.2
-4	.0	.0	.0	.2	4.5	3.4	.1	.0	.0	.0	306	.0	8.3
-5	.0	.0	.0	.1	3.4	1.5		.0	.0	.0	187	.0	5.1
-6	.0	.0	.1	.2		.7	.1	.0	.0	.0	90	.0	2.4
-7/-8	.0	.0	.2	.2	1.2	.5	.0	.0	.0	.0	77		2.1
-9/-10	.0	.1		.2			.0	.0	.0	.0	21		.5
-11/-13	.2	.1	.1	.1	.2	.0	.0	.0	.0	.0	25		.6
-14/-16	.5		.1	.0	.0	.0	.0	.0	.0	.0	20	.0	.5
-20/-22		.0	.0	.0		.0	.0	.0	.0	.0	1	.0	
TOTAL	27		14		960		477					18	3679
		.2		53		2088		61		1	3697		
PCT	.7	.2	.4	1.4	26.0	56.5	12.9	1.6	.2		100.0	.5	99.5

PERIOD: (OVER-ALL) 1963-1973

TABLE 18

								HULE							
				PC	T FREQ	OF WIND	SPEED	(KTS) AND	DIRE	CTION V	ERSUS S	EA HEIG	HTS (FT)		
				N								NE			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	1.5	.1	.0	.0	.0	1.9		.6	2.0	.2	.0	.0	.0	2.8
1-2	.2	4.8	1.1	.0	.0	.0	6.0		.5	9.5	3.9	.0	.0	.0	13.9
3-4	.0	2.8	3.7	.2	.0	.0	6.7		.0	4.9	9.1	.6	.0	.0	14.6
5-6	.0	.3	3.3	1.0	.1	.0	4.7		.0	. 8	6.1	1.0		.0	8.0
7	.0		1.9	1.2		.0	3.2		.0	.4	2.9	1.3	.1	.0	4.6
8-9	.0		.4	.5	.0	.0	.9		.0	.1	.9	1.3	.0	.0	2.4
10-11	.0	.0	.1	.3		.0	.5		.0	.0	.3	.7	•	.0	1.0
12	.0	.0	.0	.1	•1	.0	.1		.0	.0	.0	.3	.2	.0	.5
13-16	.0	.0		.2	.0	.0	.2		.0	.0	.1	.1	•	.0	.2
17-19	.0	.0	.0	:	.0	.0	:		.0	.0	.0		.0	.0	
20-22	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0			.0		.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0		.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
TOT PCT	.5	9.4	10.7	3.4	.2	.0	24.2		1.1	17.8	23.5	5.3	.3	.0	48.0
	•						• • • • •		•••					••	
				E								SE			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.9	.1	.0	.0	.0	1,1		.1	.2		.0	.0	.0	.3
1-2	.2	3.1	.9	.0	.0	.0	4.1			.4	.2	.0	.0	.0	.6
3-4	.0	1.5	1.7	.1	.0	.0	3.3		.0	.4	.5	.0	.0	.0	.8
5-6	.0	.2	.8	.1	.0	.0	1.0		.0		.2	.0	.0	.0	.2
7	.0	.0	.2	.1	.0	.0	.3		.0	.0		.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
12	.0		.1	.0	.0	.0	.1		.0	.0		.0	.0	.0	•
13-16	.0	.0	.0		•0	.0			.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	•0	.0	.0		.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0		.0	•0	.0	.0	.0	.0	.0
	.0	.0	.0	.0	•0	.0	.0		.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	•0	.0	.0		.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0		•0	.0	.0		.0	•0	.0	.0			
61-70	.0	.0	.0	.0	.0	:0	.0		.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0				.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	:0	.0	.0	:0		.0	.0	.0	.0	.0	.0	.0
TOT PCT	. 4	3.7	3.7	.3	.0	.0	10.0		.0	1.0		.0	.0	.0	2.2
101 701		2.1	3.1	.,	•0	.0	10.0		. 2	1.0	1.0	.0		.0	2.2

PERIOD:	Inve	-4111	1942-1	072					DECEMBER				AOCA	0004	ANADY	ISLANDS
rentuo.	,,,,,		1,03-	.,,,				TABLE	18 (CONT)				28.		.1W
				PC	T FREQ	OF WIND	SPEED	(KTS)	AND DIRE	CTION	VERSUS	SEA HEIG	HTS (FT			
				s								SW				
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10		22-33	34-47	48+	PCT	
<1	.3	.2		.0	.0	.0	.6		.1	• 2		.0	.0	.0	.3	
3-4	.0	:2	.2	.0	.0	.0	.6		.1	.6		.0	.0	.0	.8	
5-6	.0		:1		.0	.0	:1		.0	.1			.0	.0	.2	
7	.0	.0	.0		.0	.0			.0				.0	.0		
8-9	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	:0	.0		.0	.0		.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
TOT PCT	.3	.9	.3	.1	.0	.0	1.6		.2	1.1	.3	.1	.0	.0	1.7	
				w								NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1		.5		.0	.0	.0	.6		.0	.6	.1	.0	.0	.0	.7	
1-2	.0	.5	.3	.0	.0	.0	. 0		.1	1.0	.3	.0	.0	.0	1.5	
3-4	.0	.1	.3	.0	.0	.0	.4		.0	. 4			.0	.0	1.0	
5-6	.0	.0	.1		.0	.0	.2		.0	• 2		.1		.0	.7	
7	.0	.0	.2		.0	.0	.3		.0	.0		.2	.0	.0	.4	
8-9	.0	.0	.1	.1	.0	.0	.2		•0 ·			.1	.0	.0	.1	
10-11	.0	.0	.0		.0	.0			.0	.0			.0	.0	.1	
12	.0	.0	.0	.2	.0	.0	.2		.0	.0		.1	.0	.0	.1	
13-16	.0	.0	.0	.0	•1	.0	.1		.0	.0		.1	.1	.0	.2	
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0	.0	
	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0		
26-32 33-40	.0	.0	.0	.0	.0	.0	.0		.0	•0		.0	.0	.0	.0	
41-48			.0	.0	.0	.0	.0		.0	•0		.0	.0	.0		
49-60	.0	.0	.0	.0	.0	.0	.0			.0		.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
TOT PCT		1.1	1.1	.4	.1	.0	2.8		.1	2.3		.7	.1	.0	4.8	95.3
	-			.,						,					7.0	

	MIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	7.2	6.4	.5	.0	.0	.0	14.1	003
1-2	1.1	20.1	7.0	.0	.0	.0	28.2	
3-4		10.4	15.9		.0	.0	27.2	
5-6	•0	1.7	10.8	2.2	.1	.0	14.9	
7	.0	.4	5.3		.1	.0	8.6	
8-9	.0	.1	1.5	2.0	.0	.0	3.6	
10-11	•0	.0	.4	1.1		.0	1.6	
12	•0		.1	.6	.2	.0	1.0	
13-16	•0	.0	.1	.4	.2	.0	.7	
17-19	•0	.0	.0		.0	.0		
20-22	.0	.0	.0		.0	.0		
23-25	•0	.0	.0	.0	.0	.0	.0	
26-32	•0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	•0	.0	.0	.0	.0	.0	.0	
49-50	•0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	•0	.0	.0	.0	.0	.0	.0	
								2187
TOT PCT	8.4	39.2	41.6	10.1	.7	.0	100.0	

ANNUAL

PERIOD: (PRIMARY) 1915-1973 (OVER-ALL) 1854-1973

TABLE 1

AREA 0004 CANARY ISLANDS 28.0N 15.1W

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIT	ND (IND DIRECT	ION
------------------------------------------------	------	------------	-----

			F	RECIPI	DITAT	N TYPE					OTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN	ORZL	FRZG PCPN	SNOW	DTHER FRIN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	
N	.4	1.0	.4	.0	.0	.0	•	1.6	1.0	:3	1:7		1.8	:1	93.3
NE	.3	.5	.3	.0				1.0	.5					7.7	92.3
	1.0	.8	.2	.0	.0		.0	1.9	.5	.6	2.4	.1	2.0	.1	
SE	1.3	1.4	.4	.0	.0	.0		3.1	.9	2.4	3.5	.0	1.3	.4	88.5
S	1.1	1.2	. 8	.0	.0	.0	.0	3.0	2.1	.7	2.3	.0	1.3	.2	90.4
SW	1.5	2.4	.6	.0	.0			4.5	1.1	1.0	2.8	.0	1.2	.0	89.6
		2.2		.0	.0			3.9	1.9	.7	.9	.0	.9		91.8
NW	1.0	1.6	.7	.0	.0			3.2	1.9	.5	1.8		1.8	.1	90.7
VAR	.0		.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0
		.0								.1	3.9	.1	1.5	.1	93.5
CALM	.4	•1	•	.0	.0	.0	.0	.5	.4	••	2.7	••	1.0		,,,,
TOT PCT	45233	.9	.4	.0	.0	.0		1.8	.9	.4	1.6		1.9	.2	93,2

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

							ACCOUNTS OF		No. of the Contract of the Con						
				RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN	DRZL	FRIG	SNOW	OTHER FRZN PCPN	HATL	PCPN AT DB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNUW	
00603	.6	.7	.3	.0	.0	.0		1.5	.9	.8	1.4		1.2	.1	94.1
90300	.5	1.1	.6	.0		.0		2.2	.9	.8	1.9		1.4	.1	92.6
12615	.5	• 7	.3	.0	.0	•0		1.5	.9		1.5		2.2	.2	93.6
18621	.6	.9	.3	.0	.0	•0		1.8	.6	.3	2.2		2.5	.2	92.5
TOT PCT	.5	.9	.4	.0	.0	.0		1.8	.9	.5	1.8	•	1.8	.2	93.2

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

					ACCOUNT OF THE PARTY.		and the second		CONTRACTOR STATE									
		WI	ND SPE	ED (KN	OTS)								HOUR	(GMT)				
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	FREQ	SPD	00	03	06	09	12	15	18	51	
N NE	1.2	11.0		2.5	.1	.0		27.6	12.3	27.8	33.6		24.8			29.3	25.1 45.0	
•	.6	3.7	2.4	.3		.0		7.0	10.7	6.8	5.4	6.6	8.5	7.4	5.9	6.3	7.7	
SE	.3	1.4		.1		.0		2.5	8.1	1.9	1.6	2.4	2.7	3.0	2.9	2.6	2.6	
5	.4	1.3	.7	.2		.0		2.6	9.2	2.4	2.5	2.3	2.3	3.3	3.5	2.8		
SW	.4	2.0	1.2	.2		.0		3.9	9.5	3.8	3.7	3.6	3.5	4.1	3.5	4.2	3.8	
	.5	2.3				.0		4.3	9.2	4.0	4.5	4.3	4.2	4.2				
NW	.6	3.7	2.0			.0		6.6	10.0	6.3	6.5	6.8	6.9	6.4	5.8	6.8	6.9	
CALM	2.8	.0	.0	.0	.0	.0		2.8	:0	3.4	2.4	3.4	2.2	2.7	1.1	2.2	2.4	
TOT DES							91709		12.0	18508	1058		8131			17656		
TOT PCT	7.9	40.3	42.4	8.9	. 6	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TABLE 3A

						COLUMN TO SERVICE						
WNO DIR	0-6	7-16	SPEED 17-27		41+	TOTAL	PCT	MEAN SPD	00 03	HQUR 06 09	12 15	18
N	5.0	15.2	6.6	.7			27.6	12.3	28.1	27.1	27.6	27.8
NE	5.8	23.1	12.3	1.5			42.7	13.5	43.4	43.2	41.5	42.7
	2.1	3.8	1.0				7.0	10.7	6.7	7.2	7.3	6.8
SE	1.1	1.1	.3				2.5	6.1	1.9	2.5	3.0	2.6
SE S	1.1	1.1	.3	•1			2.6	9.2	2.4	2.3	3.4	2.5
SW	1.4	1.8	.6				3.9	9.5	3.8	3.6	4.1	4.1
SW	1.6	2.0	.6				4.3	9.2	4.0	4.3	4.2	4.5
NW	2.2	3.4	.9	:1			6.6	10.0	6.3	6.8	6.3	6.8
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	2.8						2.8	.0	3.3	3.0	2.6	2.3
TOT OBS	-					91709		12.0	19566	26682	18416	27045
0.7						(C)(#1/0/#0)			100 0	100 0	100 0	100.0

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PERIOD: (PRIMARY) 1915-1973 (OVER-ALL) 1854-1973

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TABLE 4

AREA 0004 CANARY ISLANDS 28.0N 15.1W

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

				WIND	SPEFD (PCT	TOTAL		
HOUR	CALM	1-3	4-10	11-21	22-33	34-47	48+	MEAN	FREQ	DBS
00603	3.3	4.9	40.7	41.7	8.8	.5	.0	11.9	100.0	19566
90300	3.0	5.1	41.6	41.2	8.6	.5	.0	11.7	100.0	26682
12615	2.6	5.2	38.2	44.0	9.4	.6	.0	12.2	100.0	18416
18621 TOT	2.3	5.2	40.1	42.8	9.0	.6	.0	12.1	100.0	27045
PCT	2.8	5.1	40 3	42.4	8.9	.6	.0		100.0	

	TABLE 5							TABLE Q											
,	PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION HEAN							PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION											
WND DIR	0-2	3-4	5-7	8 & 085C0	TOTAL	COVER	000 149	150	300 599	999	1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8		
N NE	12.4	7.0	9.2	4:2		3.7	-1	:	:2	1.3	4.1	3.4	1.2	:3	.2	:3	21.7		
E	2.5	.8	1.2			3.4				.1	.3	.3	.2	.1		.1	3.6		
SE	1.0	.4	.6	.3		3.4		.0			.1	.1	.1			.1	1.7		
S	1.1	.7	1.0	.4		3.6				.1	.3	.2	.1				2.2		
SW	1.5	.9	1.3	.4		3.5				. 2	.4	.3	.1				3.0		
	1.8	1.1	1.1	.3		3.4				.1	.4	.3	.1				3.3		
NW	2.6	1.7	1.8	.6		3.5		.0		.2	.6	.5	.2	.1			4.9		
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
TOT OBS	2.0	.5	.6	.2	35825	2.3		•0		•	.2	•2	•1		•		2.7	35825	
TOT PCT	41 0	20 8	27.1	11 1	100.0		. ,	. 1	. 4	3.4	10-4	8.9	3.6	1.0	.5	1.0	70-4	100.0	

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANFOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

				VSBY (NE	1)			
CEILING	. OR	. OR	. DR	- OR	. OR	. OR	· OR	- OR
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
- DR >6500	1.2	1.5	1.6	1.6	1.6	1.6	1.6	1.6
■ QR >5000	2.0	2.5	2.6	2.6	2.6	2.6	2.6	2.6
■ DR >3500	4.9	6.0	6.2	6.2	6.2	6.2	6.2	6.2
■ OR >2000	11.8	14.6	15.0	15.0	15.0	15.0	15.0	15.0
■ Dg >1000	20.2	24.6	25.3	25.3	25.3	25.3	25.3	25.3
- DR >600	22.8	27.9	28.6	28.7	28.7	28.7	28.7	28.7
- DR >300	23.0	28.3	29.1	29.2	29.2	29.2	29.2	29.2
- DR >150	23.1	28.4	29.2	29.2	29.3	29.3	29.3	29.3
. DR > 0	23.1	28.4	29.3	29.4	29.4	29.4	29.4	29.4

TOTAL NUMBER OF OBS: 36615 PCT FREQ NH 45/8: 70.6

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 0BSCD OBS 21.4 13.8 14.4 11.9 8.4 6.0 7.3 7.5 9.2 .1 38923

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PERIOD: (PRIMARY) (OVER-ALL)							TA	BLE 8				ARE	A 0004 CANARY 28.0N	ISLANDS
		•	ERCENT						URRENC				E OF	
VS8Y (NM)		N	NE		SE	5	SW		NW	VAR	CALM	PCT	TOTAL OBS	
- Almen	PCP	.0			.0	.0	.0	.0		.0	.0			
<1/2					:0	:				.0		.1		
	TOT S		•		.0					.0		.1		
	PCP								.0	.0	.0			
1/24	1 NO PCP	.2	:3							.0	.0	:7		
	101 \$.2	.3	.1		•				.0	.0	.7		
	PCP			.0	.0					.0	.0			
1<2	NO PCP	:1	.2		.0				:	.0	.0	:5		
	TOT \$.1	.2			•	•			.0		.5		
	PCP									.0		.1		
245	NO PCP	:6	.5	:1	:1	:1	:1		:1	.0	.1	1.6		
	TOT \$.7	.5	.1	•1	.1	.1		.1	.0	.1	1.7		
	PCP	.2	.2	.1		.1	.1	.1	.1	.0		.9		
\$<10		6.8	8.4	1.1	.6	.6	.8	.8	1.4	.0	.5	20.9		
	TOT &	7.0	8.6	1.2	.6	.7	.9	.8	1.5	.0	.5	21.8		
	PCP	23:7	29:1	. :		2.3	3:1	3:4	5:0	:0		74:5		
10+	NO PCP			3.9	1.6	2.3	3.1	3.4	2.0	.0	2.4	74.5		
	TOT &	23.9	29.3	3.9	1.7	2.3	3.1	3,5	5.1	.0	2.4	75.2		
	TOT DBS												45120	
	TOT PCT	32.0	38.9	5.3	2.4	3.1	4.1	4.4	6.8	.0	3.0	100.0		

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD	N	NE	E	SE	5	SW		NW	VAR	CALM	PCT	TOTAL	
	0-3	.0			.0	.0		.0	.0	.0				
<1/2	4-10									.0				
	11-21					.0		.0	.0	.0				
	22+			.0	.0	.0	.0	.0		.0				
	TOT %		•	•			•			.0		.1		
	0-3				.0		.0	.0		.0				
1/2<1	4-10									.0		.2		
	11-21	.1	.1							.0		.3		
	22+	.2	.2	.0						.0		.1		
	TOT \$.2	.2					•		.0	•	.5		
	0-3				.0	.0		.0	.0	.0				
1<2	4-10									.0		.1		
	11-21	.1	.1							.0		.2		
	22+							.0	•	.0		.1		
	TOT %	.1	.2				•	•	•	.0		.+		
	0-3		.2							.0	.1	.2		
2<5	4-10	.2	.2					:		.0		.5		
	11-21	.3	.3							.0		.9		
	224	.1	.1							.0		.3		
	TOT \$.7	.6	.1	.1	•1	.1	.1	.1	.0	.1	1.9		
	0-3	.2	.2	.1	.1	.1	.1	.1	.1	.0	.4			
5<10	4-10	2.0	2.3	.5	.2	.3	.4	:4	.6	.0		6.7		
	11-21	3.0	4.1	.4	.2	.2	.3	.2	.5	.0		8.9		
	22+		1.4	1:1		.1	: 1	:1	.1	.0	Mr.	2.6		
	TOT \$	6.1	8.1	1.1	.5	.6	•7	.7	1.3	.0	.4	19.5		
	0-3	.9	.8	2:7	.2	.3	.3	.3	.4	.0	2.3			
10+	4-10	9.0	11.2	2.7	1.0	1.1	1.6	1.9	3.0	.0		31.6		
	11-21	11.1	16.6	1.5	.5	.6	.9	1.0	1.5	.0		33.8		
	22+	2.0	3.4	.1		.1	3.0	.2	.3	.0		6.3		
	TOT \$	22.9	32.0	4.7	1.7	2.1	3.0	3.4	5.2	.0	2.3	77.6		
	TOT 085	-					4 4						64533	
	TOT PCT	30.0	41-1	6.0	2.3	2.8	3.0	4.3	6.6	-0	2.9	100.0		

ANNUAL

PERIOD: (PRIMARY) 1915-1973 (OVER-ALL) 1854-1973

TABLE 10

AREA 0004 CANARY ISLANDS 28.0N 15.1W

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY MOUR

HOUR (GMT)	149	150	300 599	600	1000	2000 3499	3500	5000	6500	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL
00603	.3		.4	2.9	8.9	7.9	2.9		.5	.9	25.4	74.6	8936
90360	.3	.1	.6	4.5	13.0	10.2	4.1	1.2	.6	1.0	35.6	64.4	9127
12615	.1	.1	.5	3.0	9.8	8.7	3.9	1.1	.5	1.1	28.6	71.4	10190
18821			.4	2.7	4.3	7.7	3.0	.9	.5	1.1	24.6	75.4	9814
TOT	.,	.1		3.3	10.0	8.6	3.5	1.0	.5	1.0	28.5	71.5	38067

TABLE 11

TABLE 12

					-							TEN DE		
		PERCENT	FREQUEN	ICY VSBY	(NM)	BY HOUR		CUMULAT	IVE PCT	FREQ	OF RAN	GES OF NH >4/8	VSBY (NM)	AND/OR
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL DBS
00603	.1	.4	.2	2.0	17.8	79.4	14715	00603	.3	.8	5.5	22.0	72.4	8465
90300	.1	.7	.5	1.8	22.4	74.5	18106	90300	.3	1.2	7.6	30.3	62.1	8766
12615	.1	.4	.4	1.0	17.4	79.9	15028	12615	.2	.7	5.4	24.8	69.8	9872
18621		.7	.5	1.9	20.5	76.4	18240	18621		.5	5.1	21.2	73.8	9512
TUT PCT	.1	.5		1.9	19.7	77.3	66089	TOT PCT	.2	.8	5.9	24.6	69.5	36615

TABLE 13

TABLE 14

N .2 2.0 12.0 12.1 5.8 .1 2.1 14.2 15.5 7.91 .5 1.3 .3 1.0 2.2 .5 .0 * .1 .9 1.5 .5 * .1 1.2 2.3 .8 * .3 1.9 2.8 1.6 .0 * .2 1.4 2.5 1.1 .0 .1 .7 .9 .5 .0 32.2 39.9 2.3 3.0 3.9 4.5 2.2

TABLE 15

HEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR
HOUR MAX 99% 95% 50% 5% 1% MIN MEAN TOTAL
(GMT)
00003 87 73 71 67 64 61 46 67.0 26791
12615 87 78 75 70 66 63 46 70.0 18206
18621 87 77 74 69 65 63 46 69.0 26792
TOT 87 77 73 68 64 62 46 68.2 91614

TABLE 16

PERCENT FREQUENCY OF RELATIVE MUMIDITY BY MOUNT (GMT)

O-29 30-59 60-69 70-79 80-89 90-100 MEAN TOTAL OBS

O6609 .0 2.0 12.3 32.1 36.7 16.9 80 8456

O6609 .0 2.8 13.7 32.0 36.1 15.4 79 8876

12615 .0 6.9 23.7 38.7 23.7 7.1 74 8857

18621 .0 3.6 17.7 38.0 30.7 10.0 77 9087

TOT 0 1351 5972 12419 11194 4322 78 35258

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PERIOD:	(PRIMARY)	1915-1973
	(OVER-ALL)	1854-1972

TABLE 17

AREA 0004 CANARY ISLANDS

PCT	FREQ	OF A	IR TE	MPERA							OF F		UT PR	ECIPITATI
							Ten la	A.D.						
THP DIF	45	52	53	57	61	65	69	73	80	81	85	TOT	FOG	FUG
INF OIF	••	36	20	90	04	0.0	16	70	•0	84	00		FUG	FUG
20/22	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	2	.0	
17/19	.0	.0	.0	.0	.0	.0	.0					14	.0	
14/16	.0	.0	.0	.0	.0	.0						31		.1
11/13	.0	.0	.0	.0	.0			.1	.1	.1		106		.2
9/10	.0	.0	.0	.0			.1	.2	.1	.1		210		.5
7/8	.0	.0	.0	.0		.1	.3	.4	.4	.1		550		1.3
6	.0	.0	.0	.0		:1	.2	.3	.2		.0	360		.8
5	.0	.0	.0	.0	.1	.3	.7	.9	.4		.0	998	.1	2.3
4	.0	.0	.0	.0	.1	.7	1.2	1.1	.3		.0	1404	.1	3.2
3	.0	.0	.0	.0	.1	1.0	1.7	1.6	.2	.0	.0	1944	.1	4.5
2	.0	.0	.0		.5	2.4	3.2	2.2	.2		.0	3507	.2	8.2
1	.0	.0	.0		.8	4.2	5.1	2.6	.1		.0	5316	.2	12.5
0	.0	.0			2.2	7.3	6.8	2.4			.0	7921	.4	18.5
-1	.0	.0		.1	3.5	7.0	5.6	1.2		.0	.0	7346	.3	17.1
-2	.0	.0		.1	4.1	4.8	2.9	.5		.0	.0	5304	.2	12.3
-3	.0	.0	.0	.2	2.8	2.5	1.4	.2		.0	.0	3004	.1	7.0
-4	.0	.0		.3	2.0	1.3	.7	.1		.0	.0	1878		4.4
-5	.0	.0		.3	1.2	.7	.4			.0	.0	1103		2.6
-6	.0	.0		.2	.4	.2	.1		.0	.0	.0	459		1.1
-7/-8	.0		.1	.2	.3	.2	.1		.0	.0	.0	377		.9
-9/-10	.0		.1	.1	.1	.1			.0	.0	.0	157		.4
11/-13		.1	.1		.1			.0	.0	.0	.0	115		.3
14/-16						.0	.0	.0	.0	.0	.0	43		.1
17/-19				.0	.0	.0	.0	.0	.0	.0	.0	7		
20/-22 TOTAL	•		.0	.0	.0	.0	.0	.0	.0	.0	.0	42162		

PERIOD: (OVER-ALL) 1963-1973

TABLE 18

PCT .1 .1 .3 1.5 18.4 32.8 30.4 13.9 2.1 .3 *

				PC	T FREO C	-	SPEED	(KTS)	AND DIREC	CTION V	ERSUS S	EA HEIG	HTS (FT)		
HGT	1-3	4-10	11-21	N 22-33	34-47	48+	PCT		1-3	4-10	11-21	NE 22-33	34-47	48+	PCT
<1	.5	1.6	.1	.0	.0	.0	2.3		.4	1.3	.1	.0	.0	.0	1.8
1-2	.3	6.1	2.8	.0	.0	.0	9.3		:2	6.1	3.2	.0	.0	.0	9.5
3-4		2.8	6.7	.4	.0	.0	9.9			3.1	7.9	.6	.0	.0	11.6
5-6	.0	.7	4.9	.9		.0	6.5			.7	6.1	1.2		.0	8.0
7		.1	2.0	.9		.0	3.0			i	2.7	1.3		.0	4.2
8-9	.0		.6	.5		.0	1.2		.0		.9			.0	1.8
10-11	.0		.2	.4		.0	.6		.0		.2	.5		.0	
12	.0	.0	.1	.1		.0	.2		.0	.0	.1	.1		.0	.8
13-16	.0	.0		.1		.0	.1		.0	.0		.1	.1	.0	
17-19	.0	.0				.0			.0	.0			.0	-0	
20-22	.0	.0	.0			.0			.0	.0	.0		.0	.0	
23-25	.0	.0	.0	.0	.0	.0	0		.0	.0	.0	.0	.0	-0	-0
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
TOT PCT	.8	11.3	17.5	3.4	•2	.0	33.3		.7	11.3	21.3	4.7	•2	.0	38.1
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	:2	1:3		.0	.0	.0	1:7		•1	:3		.0	.0	.0	::
1-2	.1	1.3	.5	.0	.0	.0	1.9			.6	.2	.0	.0	.0	.8
3-4		.6	.7		.0	.0	1.3			.2	.3		.0	.0	.5
5-6		.1	.4	.1	.0	.0	.6				.2		.0	.0	.3
.7.	.0		.1		.0	.0	.2		.0		.1		.0	.0	.1
8-9	.0				.0	.0			.0	.0			.0	.0	
10-11	.0	.0	:		:	.0			.0		.0		•	.0	
13-16	.0	.0		.0		.0			.0	.0	.0	.0	.0	.0	
17-19	.0	.0				.0	:		.0	.0				.0	
20-22	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	:0		.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0		.0	.0		.0		.0					.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	:0	•0	.0
49-60	.0	.0	.0	.0	.0	:0	.0		.0	•0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	:0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0		.0			.0	.0		.0
TOT PCT	.3	2.5	1:7	.0		:0	4:7		:0	1.1		::		.0	2.2

PERIOD: (DVER-ALL) 1963-1973 TABLE 18 (CUNT) PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT) HGT 1-3 4-10 11-21 22-32 34-47 48+ PCT PCT 1-3 4-10 11-21 22-32 34-47 48+ PCT PCT PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT PCT PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT PCT PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT PCT PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT PCT PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT PCT PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT PCT PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT PCT PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT PCT PCT PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT PCT PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT PCT PCT PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT PCT PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT PCT PCT PCT 1-3 1-4 10 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	9591001	DVE		1963-1	0+3					ANNUA	AL.				4054	4000	CANAGY	TEL ANDE
HGT 1-3 4-10 11-21 22-33 34-47 48+ PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT 41 .2 .3 .4 .10 .1 .2 .2 .3 .4 .10 .1 .2 .2 .3 .3 .4 .4 .4 .4 .4 .4 .4 .4 .4 .4 .4 .4 .4	PERIOD.	LUVE	K-455)	1703-	.413				TABLE	18 (CONT)				AREA			
HGT 1-3 4-10 11-21 22-33 34-47 48+ pCT 1-3 4-10 11-21 22-33 34-47 48+ pCT 1-2 1 2 2-33 34-47 48+ pCT 1-2 1 2 2-33 34-47 48+ pCT 1-3 1-4 1 2 2 3 3 4 4 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0					PC	T FREQ DI	WIND	SPEED	(KTS)	AND I	DIREC	TION	VERSUS	SEA HEIG	HTS (FT)			
C1														SW				
1-2																		
3-4																		
7		*:					.0	1.1									1.4	
7																		
S -																		
10-11		.0									.0							
122		.0									.0							
13-16																		
17-19		.0	.0				.0				.0							
20-22																		
23-25																		
26-32								.0										
33-40 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0								.0										
41-48 00 00 00 00 00 00 00 00 00 00 00 00 00																		
49-60 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0								.0										
61-70																		
TOTAL HGT 1-3 4-10 11-21 22-33 34-47 48+ PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT PCT (1																		
87+ 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0																		
TOT PCT .3 1.4 1.0 .2 * .0 2.9 .3 2.0 1.4 .2 * .0 4.0 HGT 1-3 4-10 11-21 22-33 34-47 48+ PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT PCT (1 .2 .5 * .0 .0 .0 .0 .7 .2 .7 * .0 .0 .0 .0 1.0 1-2 .1 1.3 .3 .0 .0 .0 .17 .2 2.0 .5 .0 .0 .0 .0 2.6 3-4 * .4 .5 * .0 .0 .10 * .0 1.0 * .7 .8 .1 .0 .0 1.6 5-6 * .1 .3 .1 * .0 .4 .0 .1 * .0 .1 * .0 .1 * .0 .0 1.6 7 .0 * .1 * .0 .0 .0 .2 * .0 * .0 .1 * .0 .8 7 .0 * .1 * .0 .0 .0 .2 * .0 * .0 .0 .0 .3 8-9 .0 .0 * .0 * * .0 .0 .0 .0 .0 .0 .1 10-11 .0 .0 .0 * * .0 .0 .0 * .0 .0 .0 .0 .0 .0 .0 .1 12 .0 .0 .0 .0 * * .0 .0 .0 * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0			.0															
11			1.4			•		2.9										
C1 .2 .5 * .0 .0 .0 .7 .2 .7 * .0 .0 .0 .1 .0 .0 .0 .0 .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 <td></td> <td>NV</td> <td></td> <td></td> <td></td> <td>TOTAL</td>														NV				TOTAL
C1 .2 .5 * .0 .0 .0 .7 .2 .7 * .0 .0 .0 .1 .0 .0 .0 .0 .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 <td>HGT</td> <td>1-3</td> <td>4-10</td> <td>11-21</td> <td>22-33</td> <td>34-47</td> <td>48+</td> <td>PCT</td> <td></td> <td>1</td> <td>1-3</td> <td>4-10</td> <td>11-21</td> <td>22-33</td> <td>34-47</td> <td>48+</td> <td>PCT</td> <td>PCT</td>	HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1	1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
1-2	<1	.2	.5			.0									.0			
3-4		.1		.3				1.7			.2							
5-6	3-4							1.0										
7	5-6		.1		.1						.0							
8-9	7	.0		.1		.0	.0	.2			.0		.2	.1	.0	.0		
10-11	8-9	.0	.0			0	.0	.1			.0		.1		.0	.0		
12	10-11	.0	.0			.0	.0				.0				.0	.0		
17-19	12	.0		.0		.0	.0				.0				.0	.0		
20-22		.0		.0			.0				.0	.0	.0			.0		
23-25						.0	.0				.0	.0	.0	.0	.0	.0	.0	
26-32						.0						.0	.0					
33-40		.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
41-48 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0						.0		.0				.0	.0				.0	
49-60								.0										
61-70								.0										
71-86 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0								.0										
87+ .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0								.0										
								.0										
TOT PCT .3 2.3 1.3 .2 * .0 4.1 .4 3.6 2.2 .4 * .0 6.5 95.8						.0		.0										
아이트 집에 아이들 아이들 때문에 가는 아이들 아이들이 되었다면 하는데 아이들이 아이들이 아이들이 아이들이 아이들이 아이들이 아이들이 아이들	TOT PCT	.3	2.3	1.3	.2		.0	4.1			.4	3.6	2.2	.4		.0	6.5	95.8

	WIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	6.9	5.7	.4	.0	.0	.0	13.0	
1-2	1.3	19.0	7.9	.0	.0	.0	28.2	
3-4	•1	8.5	17.6	1.2	.0	.0	27.5	
5-6		1.7	12.9	2.5	.1	.0	17.2	
7		.3	5.3	2.4	.1	.0	. 8.1	
8-9	.0	.1	1.7	1.6		.0	3.4	
10-11	•0		.5	1.0	.1	.0	1.6	
12	.0		.1	.3	.1	.0	.5	
13-16	•0	.0	.1	.3	.1	.0	.5	
17-19	.0	.0				.0	.1	
20-22	.0	.0	.0			.0		
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	•0	.0	.0		.0	.0	.0	
61-70	.0	.0	.0	.0		.0	.0	
71-86	.0	.0	.0			.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	8.3	35.3	46.6	9,3	.5	.0	100.0	24642

PERCENT FREQUENCY OF OCCURRENCE OF SEA TEMP (DEG F) BY MONTH

SEA THP	JAN	FEB	HAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	PCT
96+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
95/96	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
93/94	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
91/92	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
89/90	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
87/88	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
85/86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
83/84	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
81/82	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1		.0	26	
79/80	.0	.0	.0	.0	.0	.0	.1	.2	.4	.2	.1	.0	74	.1
77/78	.0	.0				.1	.3	.8	1.8	1.3	.4		336	.4
75/76	.1	.0	.1	.1	.1	.4	1.2	3.7	9.3	8.5	1.7	.1	1786	2.0
73/74	.2	.1	.2	.2	.4	2.1	7.4	22.1	40.6	35.0	10.8	.7	8537	9.8
71/72	.5	.4	1.1	.6	1.9	9.9	25.9	43.9	35.3	37.4	30.6	4.7	13913	16.0
69/70	4.1	2.6	3.6	3.4	8.8	30.2	43.0	23.9	9.6	12.0	33.7	20.0	14278	16.4
67/68	22.6	15.4	14.5	16.8	34.5	39.7	18.4	4.4	2.2	3.5	16.6	42.7	17027	19.5
65/66	40.9	34.6	32.7	36.6	37.5	13.7	2.8	.6	.5	1.3	4.3	22.1	16617	19.1
63/64	25.8	36.9	38.7	35.7	15.0	3.5	.7	.3	.2	.4	1.7	7.1	12006	13.8
61/62	4.6	7.8	7.6	5.6	1.3	.2	.1			.1	.2	2.0	2130	2.4
59/60	.9	1.7	1.2	. 8	.3	.1	.0	.0	.0			.5	401	.5
57/58	.1	.3	.1	.1	.1	.1	.0	.0	. 0		.0	.1	70	.1
55/56	.1	.1		.0		.0	.0	.0	.0	.0	.0	.0	14	
53/54	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	
51/52	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
49/50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
47/48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
45/46	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
43/44	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
41/42	.0	.0	.0	.0	.0	.0	.0	.0	. 0	.0	.0	.0	0	.0
39/40	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	0	.0
37/38	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
35/36	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
33/34	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
31/32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
29/30	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
27/28	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	o	.0
<27	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
TOTAL	7296	6298	7722	7329	7645	6895	7262	7248	6548	7495	7673	7809		100.0
MEAN	65.4	64.7	64.9	65.0	66.3	68.2	69.9	71.4	72.4	72.1	70.0	67.2	68.1	

TABLE 21

PR	ESS	URE	(MB

			AV	ERAGE	BY HOU	R (GH	Ti			
										TOTAL
H	0000	0300	0600	0900	1200	1500	1800	2100	MEAN	DBS
JA	N 1021	1020	1020	1021	1021	1019	1020	1022	1021	4808
FE	8 1018	1016	1017	1020	1019	1017	1017	1019	1018	4350
MA	R 1018	1018	1017	1019	1019	1018	1017	1018	1018	5312
AP	R 1018	1018	1017	1018	1019	1017	1017	1018	1018	5034
MA	Y 1018	1017	1017	1019	1019	1018	1017	1018	1018	5135
JU		1017		1019		1018	1018	1019	1018	4605
JU	1018	1017		1018	1018	1017	1017	1017	1017	4884
AU		1015	1016	1016		1016	1016	1016	1016	4912
SE		1017		1018	1018	1018	1017	1018	1018	4423
DC		1016		1018	1018	1017	1017	1018	1017	5113
NO		1017	1017	1018	1018	1016	1017	1018	1018	5098
DE		1020		1021	1021	1020	1020	1020	1020	5259
AN		1017	1018	1019	1019	1018	1018	1016	1018	58933
OB		1111	12431	3346			12296	3648		

PEO	CE	NT	11	

HO	MIN	1%	5%	25%	50%	75%	95%	99%	MAX
JAN	994	1005	1011	1018	1021	1024	1029	1032	1036
FEB	995	1004	1010	1015	1018	1022	1026	1029	1036
MAR	997	1006	1010	1015	1018	1021	1025	1028	1038
APR	997	1006	1011	1016	1018	1020	1024	1026	1036
MAY	1002	1010	1013	1016	1018	1020	1023	1025	1032
JUN	1006	1011	1014	1017	1019	1020	1023	1025	1029
JUL	1005	1010	1013	1016	1017	1019	1021	1023	1027
AUG	1004	1009	1012	1015	1016	1018	1020	1022	1026
SEP	1001	1010	1013	1016	1018	1019	1022	1023	1028
DCT	1003	1008	1012	1016	1018	1019	1022	1024	1031
NOV	998	1005	1010	1015	1018	1021	1024	1027	1035
DEC	004	10-4		1010		1004	1027	1030	1434

JANUARY

PERIOD: (PRIMARY) 1923-1973 (OVER-ALL) 1855-1973

TABLE 1

AREA 0005 CENTRAL SPANISH SAHARA 24.7N 16.6W

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHENO	MENA	
WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE		NO SIG WEA
N NE	:2	:7	.0	:0	.0	.0	.0	.9	:7	:7	1.8	.2	1.0		94.7
			4					. • 1				- 1	.7	.4	96.2
	.!	.4	.4	.0	.0	•0	.1	1.7	.6	.5	3.1	.0	3.6		88.4
SE S	.7	.2	.3	.0	.0	.0	.0	1.3	1.0	.3	4.9	.0	6.1	6.2	80.4
S	1.5	1.5	.5	.0	.0	.0	.0	3.5	2.5	3.0	3.9	.5	1.8	.7	85.0
SW	.5	.7	.5	.0	.0	.0	.0	1.6	2.8	. 8	2.0	1.0	1.3	.5	90.1
SW	.9	2.9	.4	.0	.0	.0	.0	4.3	1.5	.3	1.2	.0	1.2		90.9
NW	1.0	4.0	.7	.0	.0	.0	.0	5.6	2.0	1.0	1.5	.0	.7	.0	89.6
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.4	•0	.4	.0	.0	•0	.0	.4	.4	.0	6.9	.0	3.1		88.8
TOT PCT	6271	.6	.3	.0	.0	.0		1.3	.7	.5	2.3	.1	1.6	.9	92.5

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

							7								
			F	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	ND SIG WEA
00603 06609 12615	.6	.6	.1 .6 .2	.0	.0	•0	.0	1.8 1.0	1.3	1.2	1.3 2.3 2.6	.0	1.2	1.0 1.1	94.2 92.0 92.4
18621 TOT PCT	.5	.9	.2	.0	.0	•0	.0	1.7	.4	.5	2.8	.1	2.3	1.1	91.3
TOT PCT	6490	•6	.3	.0	.0	•0		1.3	.7	.5	2.3	.2	1.6	1.0	92.

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

				FERC	EMIAGE	FKEROE	ACT UF	MIND C	INECTIC	14 BA 26	EEU AN	U BT 11	UUK				
		WI	ND SPE	ED (KN	DTS)								HOUR	(GHT)			
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N NE	1.2	15.4	3.8	4:3	.0	:		10.4	10.0	12.5	12.2	9.9	7.9	8.3	10.0	12.0	
E	.7	8.3		1.4		.0		19.8	12.1	16.5	17.9	19.4		22.4	17.1	17.4	
SE	.4	2.6	2.0	.2				5.2	10.6	3.3	3.5	4.8		7.4	5.4	4.7	
SW	.5	2.0	1.1	.1	:	.0		3.5	9.2	3.4		3.3	1.7	4.7	6.6	3.8	
W	.5	1.5	.6	.1		.0		2.7	8.6	2.6		2.5	2.4	2.3	5.8	3.1	
NW	.5	1.7	.5	.1		.0		2.8	8.6	2.7	1.7	2.2	3.5	2.7	3.5	3.0	
CALM	3.3	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0		.0	.0	.0	
TOT OBS	1024	4662	5646	809	17	3	12161	3.3	11.7	2330	2.7	2344	1140	2541	152	2395	3.1
TOT PCT	8.4	38.3	46.4	6.7	.1			100.0					100.0				

•	A	0		A

WND DIR	0-6	7-16	SPEED 17-27		41+	TOTAL	PCT	MEAN SPD	00	HDUI 06 09	12 15	
N NE	3.4	27.5	14.5	:1	:		10.4	10.0	12.5	9.2	8.4	11.8
E	3.3	11.7	4.5	.3			19.8	12.1	16.6		22.1	18.4
SE	1.5	2.9	.8	.1			5.2	10.6	3.3	5.5	7.3	4.7
S	1.3	1.8	.3		.0		3.5	9.2	3.4	2.8	4.8	3.2
SW	1.3	2.0	.5				3.8	9,8	4.4	3.5	3.9	3.6
	1.3	1.0	.3				2.7	8.6	2.6	2.5	2.5	3.1
NM	1.3	1.2	.3				2.8	8.6	2.7	2.6	2.7	3.2
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	3.3	to read	12				3.3	.0	4.2	3.6	2.3	3.1
TOT OBS	2703	6515	2782	154	7	12161		11.7	2478	3484	2693	3506
TOT PCT	22.2	53.6	22.9	1.3	.1		100.0		100.0	100.0	100.0	100.0

PERIOD: (PRIMARY) 1923-1973 (OVER-ALL) 1855-1973

TABLE 4

AREA 0005 CENTRAL SPANISH SAHARA 24.7N 16.6M

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

				WIND	SPEED (KNOTSI			PCT	TOTAL
HOUR	CALM	1-3	4-10	11-21	22-33	34-47	48+	MEAN	FREQ	OBS
60300	4.2	5.3	38.1	45.4	6.9	.2		11.6	100.0	2478
90300	3.6	4.1	38.5	46.5	7.2	.1		11.9	100.0	3484
12615	2.3	5.3	36.4	49.2	6.6	.1	.0	12.0	100.0	2693
18621	3.1	5.9	39.8	45.0	5.9	.2		11.4	100.0	3506
TOT	399	625	4662	5646	809	17	3	11.7		12161
PCT	3.3	5.1	38.3	46.4	6.7	.1			100.0	

													AULE O					
,	CT FRE	Q OF T	OTAL O	CLOUD A	TION	(EIGHTHS)			PERCEN				CEILIN					
WND DIR	0-2	3-4	5-7	8 & CD	TOTAL	CLOUD COVER	000 149	150	300 599	600 999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8	
N	8.0	1.9	1.5	.6		2.0		.0	.0	.1	.4	.3	.4			.1	10.4	
NE	29.1	8.5	8.8	2.9		2.5	.1	.0	.1	.7	2.4	2.3	1.5	.3	.2	.5	41.2	
E	9.0	2.2	2.1	.9		2.2				.1	.4	.4	.2	.1		.4	12.4	
SE	2.5	.6	. 8	.6		2.7	.0	.0	.0		.2	.2	.1	.1		.1	3.8	
5	1.9	1.2	1.9	.6		4.0	.1	.0	.1	.3	.6	.3	.1	.1	.1	.1	4.1	
SW	2.1	1.5	1.4	.4		3.5			.1	.1	.3	.2	.2	.0		.1	4.2	
	1.1	.7	.6	.1		3.1	.0	.0	.1	.1	.2	.1		.0			2.1	
NW	1.1	.5	.5	.1		3.0	.0			.0	.1	.1			.0	.0	1.9	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	3.5	.6	.4	. 2		1.6	.1	.0	.0		.1	.2	.1				4.3	
TOT OBS	2957	889	913	319	5078		15	3	19	69	241	199	132	36	21	62	4281	5078
TOT PCT	58.2	17.5	18.0		100.0		.3	.1	.4	1.4	4.7	3.9	2.6	.7	.4	1.2		100.0

TABLE 7

CUMULATIVE	PCT	FREQ	0	SIMULTA	HEOUS	DCCURRENCE
OF CETLI	NG HI	FIGHT	(NI	1 34/81	NO V	CRY (NM)

					VSBY INF	1)			
C	EILING	- OR	- OR	- DR	. OR	- DR	• OR	- OR	- DR
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
- OR	>6500	1.2	1.5	1.6	1.6	1.6	1.6	1.6	1.6
. OR	>5000	1.8	2.2	2.3	2.3	2.3	2.3	2.3	2.3
- OR	>3500	4.0	4.7	4.9	4.9	4.9	4.9	4.9	4.9
. OR	>2000	7.2	8.4	8.7	8.7	8.8	8.8	8.8	8.8
. OR	>1000	11.4	13.1	13.4	13.5	13.5	13.5	13.5	13.5
- OR	>600	12.5	14.3	14.8	14.8	14.8	14.9	14.9	14.9
. DR	>300	12.7	14.6	15.1	15.2	15.2	15.2	15.2	15.2
. OR	>150	12.7	14.7	15.2	15.2	15.3	15.3	15.3	15.3
- OR	> 0	12.8	14.7	15.3	15.3	15.4	15.4	15.5	15.6
	TOTAL	667	767	796	798	800	803	810	811

TOTAL NUMBER OF DBS: 5210 PCT FREQ NH <5/8: 84.4

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

43.4 13.2 12.5 8.4 6.4 3.8 4.1 3.8 4.3 .2 5505

PERIOD: (PRIMARY) 1923-1973
(DVER-ALL) 1855-1973

PERCENT FRED OF WIND DIRECTION VS CCCURRENCE OR NON-DECURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

		,	ERCENT		IPITAT	D DIRE	TH VAR	VS CCC	ALUES	F VIS	IBILI	CURRENC	E OF
VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL
	PCP	.0	.0	.0	.0	.0	.0		.0	.0	.0		
<1/2	NO PCP				.0	.1				.0		.3	
	TOT \$		•		.0	.1				.0		.3	
	PCP	.0	.0		.0	.0	.0	.0	.0	.0	.0		
1/2<1		*	.1	.2	.1		.0	.0		.0		.4	
	TOT %		.1	:2	.1		.0	.0		.0	*	:5	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	NO PCP		.1	.2	.1		.0	.0	.0	.0	*	.4	
	TOT \$. 1	.2	.1		.0	.0	.0	.0	*	.4	
	PCP	.0		.5					.0	.0	.0	.1	
2<5	NO PCP	.2	. 8	.5	.5	. 2	.1	*	.0	.0	.2	2.4	
	TOT %	.2	. 8	.5	.5	.2	• 1		.0	.0	.2	2.5	
	PCP	.1	.2	.1	.1	. 1	.1	.1	. 1	.0		.8	
5<10	NO PCP	1.5	6.6	3.9	1.8	1.0	.7	.5	.3	.0	.5	16.9	
	TOT \$	1.6	6.8	4.1	1.9	1.1	.7	.6	.4	.0	.5	17.7	
	PCP		.1	10:4				.0		.0	.0	.4	
10+	NO PCP	9.7	40.4	10.4	2.4	3.8	4.1	2.0	1.9	.0	3.4		
	TOT %	9.7	40.5	10.5	2.4	3.9	4.2	2.0	2.0	•0	3.4	78.5	
	TOT OBS												6255
	TOT PCT	11.6	48.4	15.4	4.9	5.4	5.1	2,7	2.4	.0	4.1	100.0	

3

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD	N	NE	Ε	\$E	S	5 W	W	NW	VAR	CALM	PCT	TOTAL
	0-3				.0	.0		.0	.0	.0		.1	000
<1/2	4-10				.0	.1		.0		.0		.1	
	11-21				.0	.0	.0	*	.0	.0			
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		- 05	
	TOT %			*	.0	.1	*		*	.0		.0	
	0-3			.0	.0	.0	.0	.0	.0	.0			
1/2<1	4-10		.0	.1	*	*	.0	.0	*	.0		.1	
	11-21		.1	.1	*		.0	.0	.0	.0		.2	
	22+	.0	.1			.0	.0	.0	.0	.0		.1	
	TOT \$.1	.2	•1		.0	.0		.0		.4	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0			
1<2	4-10				*		.0	.0	.0	.0		.1	
	11-21	*	.1	.1			.0	.0	.0	.0		.2	
	22+	.0	.0		*	.0	.0	.0	.0	.0			
	TOT %		.1	.2	.1		.0	.0	.0	.0	*	.4	
	0-3		.3				.0	.0		.0	.1	.3	
245	4-10	.1	.3	.2	.2	.1	.1	*	.0	.0		1.0	
	11-21	*	.4	.3	.2	.1	*		.0	.0		1.1	
	22+	.0	.1	.1		.0	.0	.0	.0	.0		.2	
	TOT \$.0	.9	.6	.5	.2	.1	*	*	.0	.1	2.6	
	0-3	.1	.2	.2	.7	.1	.1	.2		.0	.4	1.3	
5<10	4-10	.6	1.8	1.6	.7	.4	.2	.2	.1	.0		5.7	
	11-21	.5	3.0	1.4	.6	.3	.2	.1	.1	.0		6.3	
	22+	.1	.9	.2	*		*	.1	.1	.0		1.5	
	TOT \$	1.4	5.9	3.3	1.6	.8	.6	.5	.3	.0	.4	14.8	
	0-3	1.0	.8	.5	.2	.4	.3	.5	.4	.0	3.2	7.4	
10+	4-10	4.3	12.7	5.9	1.5	1.6	2.0	1.3	1.3	.0		30.6	
	11-21	3.7	25.1	6.3	1.0	1.0	1.3	.4	.3	.0		39.1	
	22+	9.2	3.2	.8	.1	.1	.1	*		.0		4.4	
	TOT \$	9.2	41.8	13.4	2.8	3.1	3.8	2.2	2.0	.0	3.2	81.5	
	OT 085												8880
T	DT PCT	10.9	48 8	17 7		4 2	4 6	2 7	2 4	0	2 0	100 0	

JANUARY

PERIOD: (PRIMARY) 1923-1973 (OVER-ALL) 1855-1973

TABLE 10

AREA 0005 CENTRAL SPANISH SAHARA
24.7N 10.6M

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND DCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000	150 299	300 599	600	1000	2000 3499	3500 4999	5000 6499	6500	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL
00803	.1	.1	.0	1.3	3.4	2.6	2.3	.4	.1	.5	11.0	89.0	1341
06609	.5	.0	.6	1.3	5.2	3.9	2.3	1.0	.7	1.3	16.8	83.2	1241
12615	.1	.1	.5	1.4	6.1	5.2	2.5	.8	.3	1.3	18.3	81.7	1490
18821	.4	.1	.4	1.3	3.2	3.3	2.8	6	.4	1.5	14.0	86.0	1358
TOT	16	3	19	72	246	206	134	37	21	63	817	4613 85.0	5430

TABLE 11

TABLE 12

		PERCENT	FREQUEN	CY VSBY	(NM)	BY HOUR		CUMULAT					VSBY (NM)	
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL DBS
00603	.1	.2	.2	2.0	14.9	82.5	2015	00603	.2	.2	3.9	9.4	86.7	1290
06609	.2	.5	.3	2.2	16.7	80.2	2411	06809	.4	1.0	4.6	14.9	80.5	1175
12615	.3	.5	.3	3.0	12.9	83.0	2169	12815	.1	1.0	5.4	16.2	78.4	1436
18621	.5	.5	.6	3.2	15.1	80.1	2504	18621	.5	1.1	5.8	11.6	82.6	1309
TOT	26	39	32	238	1361	7403	9099	TOT	16	45	258	680	4272 82.0	5210

TABLE 13

TEMP F

 TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0		.0	.0	.0	.0	.0	.0	.0	.0
	.1				*	*	*	.0	
.7	1.6	1.0	. 8	.7	.6	.4	.3	.0	.3
6.4	27.1	10.5	3.1	3.8	3.9	2.0	1.5	.0	2.2
4.3	20.5	4.2	.6	.7	.6	.3	.4	.0	.8
.1	. 2	4.2	.1	.0	.0	.0	.0	.0	*
11.4	49.5	15.7	4.6	5.2	5.2	2.8	2.2	.0	3.4

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR MAX 99% 95% 50% 5% 1% MIN MEAN TOTAL (GMT)
00603 79 71 68 65 61 59 46 64.9 2518
06609 75 70 68 64 61 58 48 64.6 3501
12615 84 76 72 67 62 60 49 64.9 2678
18621 83 75 72 66 62 60 49 66.9 348
10T 84 74 71 65 61 59 46 65.7 12175

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)
00503 .0 3.0 15.5 34.2 31.1 16.2 79 1215
00603 .0 6.5 17.1 29.4 29.9 17.2 78 1172
12615 .0 12.5 23.6 33.9 21.5 8.6 73 1261
18621 .0 6.1 21.2 33.6 28.6 8.5 75 1246
101 0 346 949 1631 1356 612 76 4894

JANUARY

PERIOD: (PRIMARY) 1923-1973 (OVER-ALL) 1855-1973

0 . 0 1

TABLE 17

AREA 0005 CENTRAL SPANISH SAHARA 24.7N 16.6W

PCT	FREQ	OF	AIR	TEM	PERATI	ATI	(DEG	F) TEM	PER	THE	OCCU E DIF	RRENCE	OF FOO	F	WITHOUT	PRECIPITATION)
R-SEA											77	81	TO	T	w .	WO

AIR-SEA	45	49 52	53 56	57	61	65	69 72	73 76	77 80	81	TOT	FOG	FOG
17/19	.0	.0		.0	.0	.0	•		.0		3	.0	.1
14/16	.0	.0	.0	.0	.0	.0	:0	.0			2	.0	*
					.0	.1					16		
11/13	.0	.0	.0	.0	.0	• 1		.1		•	10	.0	.3
9/10	.0	.0	.0	.0		.1	.2	.2	.1	.0	29	.0	.5
7/8	.0	.0	.0	.0	.1	.1	.3	.3		.0	50	.1	.8
6	.0	.0	.0	.0	.1	.2	.2	.2		.0	40		.7
5	.0	.0	.0	.0	.1	.5	. 8	. 2	.0	*	96	.1	1.6
4	.0	.0	.0	.0	.3	1.3	1.4	.2	.0	.0	181	.1	3.0
3	.0	.0	.0	.0	.4	2.4	1.7		.0	.0	260	.2	4.3
2	.0	.0	.0		1.1	4.7	2.2	.1	.0	.0	465	.2	7.9
1	.0	.0	.0	.0	2.2	7.3	2.3	.1	.0	.0	676	.2	11.5
0	.0	.0	.0	.1	4.8	10.7	1.7	.1		.0	1001	.4	17.0
-1	.0	.0	.0	. 2	6.0	10.6	.7		.0	.0	1007	.4	17.2
-2	.0	.0	.0	.2	6.2	7.2	.3		.0	.0	802	.3	13.6
-3	.0	.0	.0	.2	5.2	3.0	.1		.0	.0	490	.2	8.3
-4	.0	.0	.0	.2	3.4	1.3	.î	.0	.0	.0	287	.1	4.9
-5	.0	.0	.0	.3	1.9		.1	.0	.0	.0	176	.1	3.0
-6	.0	.0	.0	.2		.8		.0	.0	.0	65		1.1
-7/-8	.0					.2	.0		.0		66		
		.0	.1	.3	.6			.0		.0			1.1
-9/-10	.0	.0	.1	.1	.1	.0	.0	.0	.0	.0	14	.0	.2
-11/-13		.1	.1	.1			.0	.0	.0	.0	14	.0	.2
-14/-16		.0			.0	.0	.0	.0	.0	.0	3	.0	.1
TOTAL	2		12		1891		702		10			141	5602
		3		116		2914		88		5	5743		
PCT		.1	.2	2.0	32.9	50.7	12.2	1.5	.2	.1	100.0	2.5	97.5

PERIOD: (OVER-ALL) 1963-1973

TABLE 18

				PC	T FREQ	OF WIND	SPEED	(KTS)	AND DI	RECTIO	N V	ERSUS	SEA HEIG	HTS (FT)	
				N									NE			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-		-10	11-21	22-33	34-47	48+	PCT
<1	1.0	1.0	.0	.0	.0		2.0				.9	.1	.0	.0	.0	2.6
1-2	.3	2.5	.7	.0	.0	.0	3.5				.2	3.7	.0	.0	.0	11.0
3-4	.0	2.1	2.4	.0	.0		4.4				.5	10.8	.5	.0	.0	15.8
5-6	.0	.3	1.1	.1	.0	.0	1.5				.9	8.0	.8	.0	.0	9.6
7	.0		.4	.1	.0	.0	.5			0	.1	3.3	1.2	.0	.0	4.7
8-9	.0	.0	.1	.1	.0	.0	.2			0	.0	.6	.6	.0	.0	1.3
10-11	.0	.0		*	.0	.0	.1			0	.0	.2	.2	*	.0	.5
12	.0	.0	.0		.0	.0				0	.0		.1	.0	.0	.1
13-16	.0	.0	.0	.0	.0	.0	.0			0	.0		.0	.0	.0	
17-19	.0		.0	.0	.0	.0					.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0				.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0			0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0			0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0				.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0				.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	0	.0	.0				.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0				.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0				.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0			0	.0	.0	.0	.0	.0	.0
TOT PCT	1.2	5.9	4.8	.4	.0	.0	12.2		•	9 14	.5	26.8	3.5	•	•0	45.6
				E									SE 22-33			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-	3 4-	10	11-21	22-33	34-47	48+	PCT
<1	.4	1.3	.0	.0	.0	.0	1.7			4	.5		.0	.0	.0	.9
1-2	.3	3.9	1.2	.0	.0	.0	5.4			* 1	.2	.4	.0	.0	.0	1.7
3-4		1.7	2.8		.0	.0	4.6			0	.5	.6	.0	.0	.0	1.2
5-6	.0	.3	1.6	.2	.0	.0	2.1			0		.6	.1	.0	.0	.7
7	.0	.0	.6	.1	.0	.0	.6			0	*	.2	.1	.0	.0	.3
8-9	.0	.0	.1		.0	.0	.2			0	.0	.1		.0	.0	.2
10-11	.0	.0		.1	.0	.0	.1			0		.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0			0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0			0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0				.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0			0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0			0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0			0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0			0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0			0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0			0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0			0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0			0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0				.0	.0	.0	.0	.0	.0
TOT PCT	.7	7.2	6.4	.4	.0	.0	14.7				.3	2.0	.2	.0	.0	4.9

PERIOD: (OVER-ALL)	1963-1973	JANUARY	AREA 0005 CENTRAL SPANISH SAMARA
PERIOD: NOVER-ACE,	1403-1473	TABLE 18 (CONT)	24.7N 16.6W

PCT FREO OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

				5							22-33				
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21		34-47	48+	PCT	
<1	.2	.6	.1	.0	.0	.0	1.0	.3	.5		.0	.0	.0	.8	
1-2	.1	1.5	.4	.0	.0	.0	2.1	.1	1.5	.6	.0	.0	.0	2.2	
3-4	• 1	.9	.9	.0	.0	.0	1.8		.7	1.1		.0	.0	1.9	
5-6	.0	•1	.4	:	.0	.0	.5	.0		.6	.1	.0	.0	.7	
8-9	.0	.0	.2	.0	.0	.0	.3	.0	.0	•1	:	.0	.0	. 2	
10-11	.0			.0	:	.0		.0	.0	.0		*	.0	:	
12	.0	.0	.1	:	.0	.0	.1	.0	.0	.0	.0	.0	.0	:	
13-16	.0	.0	.0	.0	.0	.0	.0	0	.0	.0	:	.0	.0	:	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.5	3.1	2.1	.1		.0	5.8	.5	2.7	2.5	.2		.0	5.9	
UCT	1-2	4-10	11-21	W	24-47		0.7		4-10		NW	24 47		Det	TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.4	.2	.0	22-33	.0	.0	.6	.2	.4	.0	22-33	.0	.0	.6	PCT
1-2	:4	1.0	.0	.0	.0	.0	1.3	.2	:4	.0	.0	.0	.0	.6	PCT
1-2 3-4	:1	1.0	.0	.0	.0	.0	1.3	.2 .1 .0	.4 .7 .1	.1	.0	.0	.0	.6	PCT
1-2 3-4 5-6	.1	1.0	.0	22-33	.0	.0	1.3	.2 .1 .0	.4 .7 .1	.0	.0 .0 .0	.0	.0	.6	PCT
1-2 3-4	:1	1.0	.0 .2 .3 .1	.0	.0	.0	1.3	.2 .1 .0 .0	.4 .7 .1	.0 .1 .1	.0 .0 .0	.0	.0	.6 .9 .2	PCT
1-2 3-4 5-6 7	.0	1.0 .2 .0	.0 .2 .3	22-33	.0	.0	1.3 .5 .1	.2 .1 .0 .0	.4 .7 .1 *	.0 .1 .1	.0 .0 .0	.0	.0	.6 .9 .2 .1	PCT
<1 1-2 3-4 5-6 7 8-9 10-11	.4	.2 1.0 .2 .0 .0	.0 .2 .3 .1 *	22-33	.0	.0	1.3 .5 .1	.2 .1 .0 .0	.4 .7 .1 *	.0 .1 .1	.0 .0 .0 .0	.0	.0	.6 .9 .2 .1	PCT
<1 1-2 3-4 5-6 7 8-9 10-11 12 13-16	.4	.2	.0 .2 .3 .1 *	22-33	.0	.0	1.3 .5 .1	.2 .1 .0 .0	.4 .7 .1 *	.0 .1 .1 .1	.0 .0 .0 .0	.0	.0	.6 .9 .2 .1	PCT
<1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19	.0 .0 .0 .0 .0 .0 .0	1.0 2 .0 .0 .0	.0 .2 .3 .1	22-33	.0	.0	.6	.2 .1 .0 .0 .0	.4	.0	22-33	.0	.0	.6 .9 .2 .1 .0	PCT
<1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22	.0 .0 .0 .0 .0 .0 .0 .0 .0	1.0 2 .0 .0 .0 .0	.0 .2 .3 .1 *	22-33	.0	.00	.6	.2 .1 .0 .0 .0 .0 .0	.4	.0	22-33	.0	.0	.6 .9 .2 .1 *	PCT
<1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25	.0 .0 .0 .0 .0 .0 .0 .0 .0	.2 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0 .2 .3 .1 * .0 .0 .0	22-33	.0	.00000000000000000000000000000000000000	.6	.2 .1 .0 .0 .0 .0 .0 .0 .0	.4	.0	22-33	.0	.0	.6 .9 .2 .1 * .0 .0	PCT
<1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32	.0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.2 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0 .2 .3 .1	22-33	.0		.6	.2 .1 .0 .0 .0 .0 .0 .0 .0 .0	.4	.0	22-33	.0	.0	.6 .9 .2 .1 * .0 .0 .0	PCT
<1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40	.4 .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.2 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0 .2 .3 .1 * * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	22-33	.0		.6 1.3 .5 .1 * * .0 .0 .0 .0 .0	.2	.4 .7 .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0 .1 .1 .1	22-33	.0	.0	.6 .9 .2 .1 * .0 .0 .0 .0	PCT
<1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48	.4	.2	.0 .2 .3 .1	22-33	.0		.6 1.3	.2	.4	.0	22-33	.0	.0	.6 .9 .2 .1 * * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	PCT
<1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60	.4	.2 1.0 .2 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0 .2 .3 .1	22-33	.0		.63	.2	.4 .7 .1 .0 .0 .0 .0 .0 .0 .0	.0	22-33 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0	.0	.6	PCT
<1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60 61-70	.4	.2 1.0 .2 .0 .0 .0 .0 .0	.0 .2 .3 .1 .1	22-33 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0	.0	.63	.2	.4 .7 .1 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0 .1 .1 .1	22-33 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0	.0	.6 .9 .2 .1 * .0 .0 .0 .0 .0 .0	TOTAL
<1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60 61-70 71-86	.4	1.0 2.2 .0 .0 .0 .0 .0 .0	.0 .2 .3 .3 .1 .1	22-33 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0	.0	.63	.2	.4 .7 .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0 .1 .1 .1 .1	22-33 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0	.0	.69 .22 .11 * * .00 .00 .00 .00 .00 .00 .00 .00 .00	PCT
<1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60 61-70	.4	.2 1.0 .2 .0 .0 .0 .0 .0	.0 .2 .3 .1 .1	22-33 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0	.0	.63	.2	.4 .7 .1 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0 .1 .1 .1	22-33 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0	.0	.6 .9 .2 .1 * .0 .0 .0 .0 .0	TOTAL PCT

	WIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	10.8	6.7	.2	.0	.0	.0	17.8	
1-2	1.6	19.0	7.2	.0	.0	.0	27.9	
3-4	•2	10.4	18.6	.6	.0	.0	29.8	
5-6		1.6	12.3	1.2	.0	.0	15.1	
7	•0	.2	4.8	1.5	.0	.0	6.5	
8-9	•0	.0	1.0	.8		.0	1.9	
10-11	•0	.1	.3	.4		.0	.8	
12	.0	.0		.1	.0	.0	.2	
13-16	•0	.0				.0	.1	
17-19	•0		.0	.0	.0	.0		
20-22	•0	.0	.0	.0	.0	.0	.0	
23-25	•0	.0	.0	.0	.0	.0	.0	
26-32	•0	.0	.0	.0	.0	.0	.0	
33-40	•0	.0	.0	.0	.0	.0	.0	
41-48	•0	.0	.0	.0	.0	.0	.0	
49-60	•0	.0	.0	.0	.0	.0	.0	
61-70	•0	.0	.0	.0	.0	.0	.0	
71-86	•0	.0	.0	.0	.0	.0	.0	
87+	•0	.0	.0	.0	.0	.0	.0	
								3273
TOT PCT	12.7	38.0	44.6	4.6	.1	.0	100.0	

FEBRUARY

PERIOD: (PRIMARY) 1924-1973 (OVER-ALL) 1855-1973

TABLE 1

AREA 0005 CENTRAL SPANISH SAHARA 24.7N 16.5W

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE		
N NE	.1	• 2	.0	.0	.0	.0	.0	:2	-1	.2	1.2	:1	.7	.1	97.3
WE		• 1		.0		.0			-1		100000000000000000000000000000000000000		.6	.2	97.6
E	.0	.3	.3	.0	.0	.0	.0	.6	• 2	.7	2.3	.0	1.7	.4	94.2
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	6.3	. 8	2.1	1.1	89.5
S	2.4	1.0	.4	.0	.0	•0	.0	3.3	1.1	.9	2.0	1.0	.5	.0	91.7
SW	.7	.9	.5	.0	.0	0	.0	2.1	1.4	.6	1.9	.0	.6	.0	93.4
	.2	.7	.4	.0	.0	.0	.0	1.3	.9	.2	.5	.0	.0	.2	97.0
NW	.2	.7	.4	.0	.0	.0	.0	1.4	.3	.6	1.1	.0	.2		96.6
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	:0	.0	.0	.0	.3	.3	4.9	1.7	1.7	.6	90.5
TOT PCT	6538	.3	.2	.0	.0	.0	.0	.7	.3	.3	1.5	.2	.7	.2	96.2

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			P	RECIPI	TATIO	N TYPE					DTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	
00603	.2	.3	:5	.0	.0	•0	.0	1.1	.7	.7	1.4	.2	.6	:4	95.2
12615	.1	.3	.1	.0	.0	.0	.0	.4	.2	.1	2.0	.1	1.0	.2	96.4
TUT PCT TOT DBS:	6788	.3	.3	.0	.0	.0	.0	.7	.3	.4	1.6	.2	.7	.2	95.9

TARLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		WI	ND SPE	ED (KN	וצדם								HOUR	(GMT)				
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	FREQ	SPD	00	03	06	09	12	15	18	21	
N NE	1.2	8.4	25.7	1.0		.0		17.1	10.8	18.6		16.3	14.7	15.1	23.4	18.5	17.8	
E	.4	4.7	4.3	. 8		.0		10.2	11.8	8.1	.0	9.6	15.0	12.8	10.4	8.8	9.7	
SE	.2	1.3	.4		.0	.0		2.0	8.0	1.5	1.8	1.9	2.0	3.2	1.8	1.5	1.6	
	.4	1.4	.5			.0		2.4	8.0	2.6	2.6	2.2	2.0	3.1	2.7	2.4	1.5	
SW	.7	3.3	1.5	.2		.0		5.7	8.9	6.0	8.3	5.7	3.7	6.3	6.1	5.8	4.5	
	.9	3.2	1.2	.1	.0	.0		5.3	8.1	5.1	8.7	5.4	4.4	4.9	6.1	6.2	5.0	
NW	.7	4.3	1.5	.2		.0		6.7	8.6	7.0	4.4	6.7	5.7	5.7	9.6	8.0	6.4	
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	3.9							3.9	.0	5.3	5.6	5.4	1.2	3.6	2.1	3.9	1.5	
TOT OBS	1147	4911	4997	925	32	0	12012		11.4	2387	124	2307	1061	2539	140	2409	1045	
TOT PCT	9.5	40.9	41.6	7.7	.3	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TABLE 3A

WNO DIR	0-6	7-16	SPEED 17-27		41+	TOTAL	PCT	MEAN	00	06 09	12 15	18
N NE	5:7	9.3	2.8	1:3	.0		17:1	10.8	18.8	15.8	15.5	18.3
-	2.0							11.8	7.7		12.7	9.1
		5.9	2.1	.2	.0		10.2			11.3		
SE	1.0	.9	.2	.0	.0		2.0	8.0	1.5	1.9	3.1	1.5
S	1.2	1.1	.2		.0		2.4	8.0	2.6	2.1	3.1	2.2
E SE S	2.5	2.6	.6	.1	.0		5.7	8.9	6.1	5.1	6.2	5.4
NW	2.4	2.5	.4		.0		5.3	8.1	5.3	5.1	4.9	5.8
NW	2.7	3.5	.5		.0		6.7	8.6	6.8	6.4	5.9	7.5
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	3.9	7.7					3.9	.0	5.3	4.1	3.5	3.2
TOT OBS	3056	6130	2596	230	0	12012		11.4	2511	3368	2679	3454
TOT PCT	25.4	51.0	21.6	1.9	.0		100.0		100.0	100.0	100.0	

PERIOD: (PRIMARY) 1924-1973 (OVER-ALL) 1855-1973

TABLE 4

AREA 0005 CENTRAL SPANISH SAHARA

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

				WIND	SPEED (KNOTS)			PCT	TOTAL
HOUR	CALM	1-3	4-10	11-21	22-33	34-47	48+	HEAN	FREQ	085
00603	5.3	6.7	41.1	38.7	8.0	.2	.0	11.1	100.0	2511
96609	4.1	5.1	40.6	41.6	8.2	.4	.0	11.5	100.0	3368
12615	3.5	5.6	40.0	42.9	7.8	.3	.0	11.0	100.0	2679
18621	3.2	5.3	41.7	42.7	7.0	.1	.0	11.4	100.0	3454
TOT	474	673	4911	4997	925	32	0	11.4		12012
PCT	3.9	5.6	40.9	41.6	7.7	.3	.0		100.0	

TABLE 5

TARLE A

,	PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION								PERCEN	TAGE F	REQUEN	CY OF	CEILIN NH <5/	G HEIG	HTS (TARECTIO	>4/8) DN	
WND DIR	0-2	3-4	5-7	8 &	TOTAL	CLOUD COVER	000	150	300 599	600	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8	
N	13.2	3.3	2.8	.5		2.0	.1			.2	.5	.7	.3	.1		.2	17.7	
NE	26.5	6.5	6.2	1.6		2.1	.1	.0		.4	1.3	1.6	1.2	.2	.1	.3	35.7	
E	4.1	1.3	1.1	.4		2.3		.0	.0		.2	.5	.2		.1	-1	6.0	
SE	.9	. 2	.5	.2		3.4		.0	.0		.1		.1		.1	.1	1.4	
5	1.4	.3	.9	.4		3.5	.0			.1	.3	.2	.1	.1	.1	.1	2.1	
SW	3.5	1.2	1.7	. 9		3.4	.1	.0	.1	.2	.6	.4	.3	.1	.1	.2	5.4	
	3.8	1.6	1.0	.2		2.4		.0		.1	.3	.1	.1			.1	5.8	
NW	4.9	2.0	1.0	.2		2.3			.0	.1	.2	. 3	.1			.1	7.3	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	3.4	.9	1.1	.3		2.4	.1	.0		.1	.3	.3	.1		.1	.1	4.7	
TOT DBS	3292	926	873	249	5340	2.3	27	2	7	56	203	197	132	32	28	62	4594	5340
TOT PCT	61.6	17.3	16.3	4.7	100.0		.5		.1	1.0	3.8	3.7	2.5	.6	.5	1.2	86.0	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

					VSBY INM	1)			
	CEILING	- OR	- DR	. DR	- OR	· OR	. OR	• OR	- DR
	(FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
	DR >6500	1,3	1.7	1.7	1.7	1.7	1.7	1.7	1.7
	OR >5000	1.8	2.3	2.3	2.3	2.3	2.3	2.3	2.3
	DR >3500	3.9	4.6	4.7	4.7	4.7	4.7	4.7	4.7
	OR >2000	7,3	8.3	8.5	8,5	8,5	8,5	8.5	8.5
	OR >1000	10.8	12.1	12.4	12.4	12.4	12.4	12.4	12.4
	DR >600	11.7	13.1	13.4	13.4	13.4	13.4	13.4	13.4
	DR >300	11.6	13.2	13.5	13.5	13.5	13.5	13.5	13.5
	DR >150	11.8	13.3	13.5	13.5	13.5	13.6	13.6	13.6
		11.6	13.4	13.6	13.8	13.9	13.9	14.1	14.1
1	TOTAL	650	737	758	760	742	765	773	773

TOTAL NUMBER OF OBS: 5489

PCT FREQ NH <5/8: 85.9

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 08SCD 08S 39.2 16.9 13.7 9.8 5.8 3.9 4.4 3.1 2.8 .5 5798

F				

								FEB	RUARY								
PERIOD:	(PRIMARY) 1' (OVER-ALL) 1	924-1973 855-1973						TA	8LE 8				ARE	A 0005	CENTRA	AL SPANIS	H SAHARA
			,	ERCENT	PREC	PITAT	DIRE	CTION TH VAR	VS DCC	URRENCE ALUES	F VIS	ON-OCC	URRENC	E OF			
	VSBY (NM)		N	NE	E	SE	s	SW		NW	VAR	CALM	PCT	TOTAL			
	€1/2	PCP NO PCP TOT %	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0 .1	.3				
	1/2<1	PCP NO PCP	.0	.0	0 1 1	.0	.0	.0	.0	.0	.0	.0	.0				
	1<2	PCP NO PCP	.0	.0	•0	.0	.0	.0	:	.0	.0	.0	.2				
		PCP	.0						.0	.0		.0					
	2<5	NO PCP	.0	.6	.0 .1 .1	:1	:1	:1		.0 .1 .1	.0	:1	1.4				
	5<10	PCP NO PCP TOT &	3.1	7:7 7:7	1.4	:4	::	.1 .7 .8	:5	.8	.0	.7 .7	15.5				
	10+	PCP NO PCP TOT %	15.8 15.8	33.0 33.0	5.8 5.8	1.3	2.5	6.2	5.7 5.8	6.9	.0	4.3	81.5 81.7				

TOT DES TOT PCT 19.3 41.6 7.5 1.8 3.1 7.2 6.3 7.9 .0 5.3 100.0

TABLE 9 PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

6530

VSBY (NM)	SPD	N	NE	E	SE	s	SW		NW	VAR	CALM	PCT	TOTAL
	0-3			.0	.0	.0		.0	.0	.0	.1		
<1/2	4-10			.0			.1	.0	.0	.0		.1	
	11-21	.0	.9	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0		.0			.0	.0	.0	.0		.1	
	TOT %	.1	.1	.0			.1	.0	.0	.0	.1	.3	
	0-3				.0	.0	.0	.0		.0			
1/2<1	4-10	.1				.0	.0	.0		.0		.1	
	11-21	:	.1	.1		.0	.0	.0	.0	.0		.1	
	22+				.0	.0	.0	.0	.0	.0			
	TOT \$.1	.1	.1		.0	.0	.0		.0		.4	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	
1<2	4-10		.1			*				.0		.1	
	11-21		.1		.0	.0	.0	.0		.0		.1	
	22+			.0	.0	.0	.0	.0	.0	.0			
	TOT &		.1	.1						.0	.1	.3	
	0-3				.0	.0		.0		.0	.1	.2	
2<5	4-10	.2	.2		.1	*	.1		.1	.0		.6	
	11-21	.1	.3	.1				.0	.0	.0		.5	
	22+	.1	.2	.0		*		.0		.0		.3	
	TOT \$.3	.6	.1	.1	.1	.1		.1	.0	.1	1.6	
	0-3	.1	.1	.1		.2			.1	.0	.7	1.2	
5<10	4-10	1.0	1.6	.6	.2	.2	.4	.3	.4	.0		4.7	
	11-21	1.2	4.6	.7	.1	.1	.3	.1	.2	.0		7.2	
	22+	.3	1.1	.1	.3		.1			.0		1.7	
	TOT \$	2.6	7.4	1.5	.3	.4	.8	.4	.7	.0	.7	14.8	
	0-3	1.0	11.6	.4	.2	.4	.6	.9	.6	.0	3.7	8.7	
10+	4-10	7.8	11.6	3.9	1.0	1.4	3.3	3.1	4.2	.0		36.4	
	11-21	5.6	19.5	2.9	.4	.4	1.2	1.0	1.3	.0		32.3	
	22+	.6	3.7	.4	.0		.1	.1	.1	.0		5.1	
	TOT \$	15.0	35.7	7.5	1.6	2.3	5.3	5.1	6.3	.0	3.7	82.5	
	rat ges												8966
1	TOT PCT	18.1	44.1	9.3	2.1	2.7	6.3	5.6	7.2	.0	4.7	100.0	

E		D	١		

PERIOD: (PRIMARY) 1924-1973 (UVER-ALL) 1855-1973

TABLE 10

AREA 0005 CENTRAL SPANISH SAHARA
24.7N 16.5W

PERCENT	FREQUENCY OF	CEILING	HFIGHTS	(FEET, NH	>4/81	AND
	DCCHIPPE	ACE DE MI	U /6/8 84	HOUSE		

HOUR (GMT)	000	150 299	300 599	999	1000	2000 3499	3500 4999	5000	6500	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL
00603	.6	•1	.1	.8	3.7	2.5	1.1	.4	.7	1.4	11.5	88.5	1396
06409	.6	.0	.2	1.5	4.1	4.0	2.8	.2	.7	1.4	15.5	84.5	1310
12615	.5	.0	.1		4.2	5.1	3.0	.6	.3	1.2	15.7	84.3	1543
18621	.4	-1	.2	1.0	2.8	2.8	2.4	1.0	.4	.7	11.6	88.2	1481
TOT	30	2	.1	57	213	207	135	33	29	66	780 13.6	4950 86.4	5730 100.0

TABLE 11

TABLE 12

		1	PERCENT	FREQUEN	CY VSBY	(NM)	BY HOUR		CUMULAT					VSBY (NM)	
HOL		/2	1/2<1	1<2	2<5	5<10	10+	TOTAL	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL
008	03	. 2	.4	.2	2.1	14.5	82.6	2078	00603	.5	.7	3.3	10.1	86.6	1323
068	109	.3	.6	.2	1.9	17.2	79.8	2416	90300	.6	1.0	4.5	13.5	82.0	1245
126	15	.5	.5	.4	1.0	11.4	86.3	2205	12615	.5	.7	2.3	14.6	83.1	1489
188	21	.4	.4	.5	1.5	15.3	82.0	2518	18621	.4	.7	2.7	10.3	86.9	1432
TO	T	31	43	31	147	1355	7610	9217	TOT	29	43	173	666	4650 84.7	5489

					MDEE 1	•									INDL					
	PERC	ENT FR	EQUENC	Y OF R	ELATIV	E HUMI	DITY B	Y TEMP	TOTAL	PCT		PERC	ENT FR	EQUENC	Y OF W	IND DI	RECTIO	N BY T	EMP	
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100		FREQ	N	NE	E	SE	S	SW		NW	VAR	CALM
75/79	.0	.0		.1	.1	.1			18	.4	.1		.0		.0	.1		.1	.0	.1
70/74	.0	.0		.4	1.9	3.2	3.0	.6	445	9.3	2.1	2.2	.5	.2	.4	1.2	.9	1.0	.0	.7
65/69	.0	.0	.3	2.2	7.7	18.9	20.7	8.0	2771	57.8	11.6	20.8	4.1	1.2	1.9	4.7	5.3	5.8	.0	2.6
60/64	.0	.0	.1	.4	5.3		10.0	4.5	1546	32.3	5.2	19.1	3.1	.4	.7	.9	.7	1.4	.0	.8
55/59	.0	.0	.0	.0	*			.2	13	.3		.1		.0		.0	.0		.0	
TOTAL	0	0				1644	1622			100.0										
PCT	.0	.0	.4	3.1	15.1		33.8	13.4			19.1	42.2	7.8	1.8	3.0	6.9	6.9	8.2	.0	4.1

TABLE 15

MAX 99% 95% 50% 81 70 68 64 78 70 68 64 82 75 72 67 82 75 72 66 82 74 71 65

1	MEANS,	EXTREM	ES AND	PERCEN	TILES	OF TE	AP (DE	G F) B	Y HOUR		PERC	ENT FRE	QUENCY	OF RELA	TIVE H	YTIDIMU	BY HOUR	
,	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL	HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
3	81	70	68	64	61	57	50	64.5	2559	00603	.0	1.4	9.6	29.4	38.8	20.7	81	1210
9	78	70	68	64	60	57	49	64.2	3409	06609	.0	2.1	11.1	30.1	38.1	18.6	80	1212
5	82	75	72	67	62	59	52	67.2	2661	12615	.0	6.4	21.6	37.3	26.9	7.8	75	1275
1	82	75	72	66	62	60	50	66.3	3431	18621	.0	3.8	16.8	37.8	32.6	9.0	77	1289
	82	74	71	45	61	58	49	44.4	12060	TOT	0	173	743	1683	1405	692	78	4984

FEBRUARY

PERIOD: (PRIMARY) 1924-1973 (OVER-ALL) 1855-1973

0 0

TABLE 17

AREA 0005 CENTRAL SPANISH SAHARA 24.7N 16.5W

3

0

			vs	AIR-	SEA I	EMPERA	TURE	DIFFE	KENCE	(DEG F)			
THP DIF	49 52	53 56	60	64	65	72	73 76	80	81	тот	FÖG	FOG	
14/16	.0	.0	.0	.0	.0		.0	:1		5		.1	
11/13	.0	.0	.0		.0	.0	.1	.1		. 19	.0	.3	
9/10	.0	.0	.0		.0	.2	.2		.0	33		.5	
7/8	.0	.0	.0	.1	.1	.7	.5	.1	.0	85	.1	1.3	
6	.0	.0	.0		.3	.5	.2	.0	.0	62		1.0	
5	.0	.0		.1	. 8	1.0	.2	.0	.0	132	.1	2.0	
	.0	.0	.0	.2	1.6	1.7	.2		.0	227	.1	3.6	
3	.0	.0	.0	.3	2.1	2.0	.1	.0	.0	280	.1	4.5	
2	.0	.0	.0	1.2	5.0	2.3		.0	.0	518	.1	8.4	
1	.0	.0		2.0	8.2	3.0		.0	.0	809	.2	13.1	
0	.0	.0	.1	6.0	11.3	2.1		.0	.0	1191	.3	19.2	
-1	.0	.0	.2	6.5	9.6	.9	.0	.0	.0	1046	.3	16.9	
-2	.0		.2	6.4	5.3	.3		.0	.0	750	.1	12.1	
-3	.0	.0	.2	4.1	2.3	.2	.0	.0	.0	416	.1	6.7	
-4		.0	.3	2.7	.8		.0	.0	.0	230	.1	3.7	
-5	.0	.0	.3	1.1	.6		.0	.0	.0	128		2.0	
-6	.0		.2	.3	.1	.0	.0	.0	.0	41	.0	.7	
-7/-8	.0		.3	.3	.2	.0	.0	.0	.0	53		.8	
-9/-10	.0	.1	.3	.2		.0	.0	.0	.0	37	.0	.6	
-11/-13	.1	.3	.1			.0	.0	.0	.0	31	.0	.5	
-14/-16	.1	.1	.0	.0	.0	.0	.0	.0	.0	13	.0	.2	
-17/-19		.0	.0	.0	.0	.0	.0	.0	.0	1	.0		
TOTAL	17		137	16.5	2938		115		4		100	6007	
		34		1927		916		19		6107			
PCT	.3	.6	2.2	31.6	48.1	15.0	1.9	.3	.1	100.0	1.6	98.4	

PERIOD: (OVER-ALL) 1963-1973

TABLE 18

				PC	T FREQ	-	SPFED	(KTS)	AND DIRE	CTION V	ERSUS S	EA HEIG	HTS (FT))	
				N								NE			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	• 7	2.3	. :	.0	.0	.0	3.0		.5	1.4		.0	.0	.0	1.9
1-2	.6	5.1	1.7	.0	.0	.0	7.3		.7	7.9	3.1	.0	.0	.0	11.7
3-4	.1	2.4	2.9	.2	.0	.0	5.6		.1	2.7	6.9	.2	.0	.0	9.9
5-6	.0	.4	1.9	.1	.0	.0	2.5		.0	.6	5.3	.6	.0	.0	6.4
7	.0	.1	.9	.4		.0	1.4		.0	.1	3.2	1.2	.1	.0	4.6
8-9	.0	.0	.1	.2		.0	.3		.0	.0	1.1	.7	.1	.0	2.0
10-11	.0		.1	.4	.0	.0	.5		.0		.2	.8		.0	1.0
12	.0	.0		.1	.0	.0	.1		.0	.0	.1	.2		.0	.3
13-16	.0	.0	.1	.1	.0	.0	.2		.0	.0	.2	.1	.2	.0	
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.1	.0	.0	.1
20-22	.0	.0	.0		.0	.0			.0	.0	.0		.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.3	10.3	7.7	1.4	•1	.0	20.8		1.3	12.7	20.2	3.9	.4	•0	38.3
				E								22-33			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.5	.1	.0	.0	.0			.1	.3		.0	.0	.0	.4
1-2	.2	2.3	.4	.0	.0	.0	2.9		.1	.7	.1	.0	.0	.0	.8
3-4		.7	1.0	.0	.0	.0	1.7			.1	.2	.0	.0	.0	.4
5-6	.0	.1	.3		.0	.0	.5		.0		-1	.0	.0	.0	.1
7	.0	.0	.2		.0	.0	.2		.0	.0		.0	.0	.0	
8-9	.0	.0	.1	.0	.0	.0	.1		.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	. 0		.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
TOT PCT		2.4	2.1				4 4			1.3					

PER 100:	COVE	-4111	1963-1	9-2				,	ERRUARY				4054	0005	CENTRAL	SPANISH SAHAR
;	1016		1703-1	***				TABLE	18 (CONT)				24.	7N 16	.5W
				PC	T FREQ O	F WIND	SPEED	(KTS)	AND DIRE	CTION	VERSUS S	EA HEIG	HTS (FT)		
				s								SW				
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	.2	.6	.0	.0	.0	.0			.3	1.1	.1	.0	.0	.0	1.4	
1-2	.2	1.0	.2	.0	.0	.0	1.4		.3	1.9		.0	.0	.0	2.7	
3-4	.0	*	.1	.0	.0	.0	.6				.5	.0	.0	.0	1.4	
7	.0	.1			.0	.0	.2		.0	:1	.2	.1	.0	.0	.3	
8-9	.0	.:	.0	.0	.0	.0						:1	.0	.0	.2	
10-11	.0	.0		.0	.0	.0			.0	.0		.1	.0	.0	.1	
12	.0	.0	.0		.0	.0			.0	.0	.0		.0	.0		
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0		
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.3	2.1	.6	.1	•0	•0	3,2		.7	4.0	1.9	.3	.0	.0	6.9	
												NW				TOTAL PCT
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.6	.5	.1	.0	.0	.0	1,2		.6	1.2	.1	.0	.0	.0	1.9	
1-2	.4	2.6	.4	.0	.0	.0	3,4		.4	3.2	.4	.0	.0	.0	4.0	
3-4		.7	.4	.0	.0	.0	1.1			.9	.6	.0	.0	.0	1.6	
5-6	.0	•1	.3		.0	.0	.4		.0	.1	.3	•1	.0	.0	.5	
8-9	.0	•1	:1	.0	.0	.0	.2			.0	.1	.0	.0	.0	.2	
10-11	.0	.0		.0	.0	.0			.0	.0			.0	.0	.:	
12	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	•0	.0	
TOT PCT	1.1	4.1	1.3		.0	.0	5.4		1.0	5.5	1.6	.1	.0	.0	8.2	91.8

		WIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
н	GT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
(1	12.1	8.0	.4	.0	.0	.0	20.4	003
	-2	3.1	24.6	6.5	.0	.0	.0	34.1	
	-4	.3	8.7	12.6	.4	.0	.0	22.0	
5.	-6		1.4	8.8	. 9	.0	.0	11.1	
	7		.5	4.6	1.7	.1	.0	6.9	
8	-9		.1	1.5	1.0	.1	.0	2.7	
10-	-11	.0		.4	1.2	*	.0	1.7	
1		.0	.0	.1	.3		.0	.4	
13	-16	•0	.0	.3	.2	.2	.0	.7	
	-19	•0	.0	.0	.1	.0	.0	.1	
20	-22	•0	.0	.0		.0	.0		
23	-25	•0	.0	.0	.0	.0	.0	.0	
26	-32	•0	.0	.0	.0	.0	.0	.0	
33	-40	.0	.0	.0	.0	.0	.0	.0	
41	-48	.0	.0	.0	.0	.0	.0	.0	
49	-60	.0	.0	.0	.0	.0	.0	.0	
61	-70	•0	.0	.0	.0	.0	.0	.0	
71	-86	.0	.0	.0	.0	.0	.0	.0	
	87+	.0	.0	.0	.0	.0	.0	.0	
		Status La				4			3507
TOT	PCT	15.5	43.2	35.1	5.8	.4	.0	100.0	

PERIOD): (QV	ER-ALL	194	9-197	3				TABLE	19											
					PERCENT	FRE	OUENCY	OF WAY	/E HE I	GHT (F1	T1 VS	WAVE P	ERIGO	(SECON	05)						
PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN
<6	1.8	8.0	9.8	4.2	2.2	.9	.5	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1195	3
6-7		1.3	4.9	5.7	3.4	1.5	. 8	.5	.3		.0	.0	.0		.0	.0	.0	.0	.0	799	5
8-9	.0	.5	2.7	3.2	3.1	1.4	,8	.3	.3			.0	.0	.0	.0	.0	.0	.0	.0	535	6
10-11	.0	1.4	1.0	1.3	1.1	. 8	.9	.3	.4			.0	.0			.0		.0	.0	317	6
12-13	.0	.0	1.4	. 8	.7	.3	.7	.3	,3		.0	.0	.0		.0	.0	.0	.0	.0	201	7
>13	.0	.0	.0	.3	.4	.4	.2	.1	.3		.0	.0	.0	.0	.0	.0	.0	.0	.0	75	9
INDET	6.4	5.4	5.8	3.8	2.9	1.8		.5	.4		.0	.0	.0		.0	.0	.0	.0	.0	1204	4
TOTAL	356	718	1113	837	592	310	200	97	91	10	2	0	0	0	0	0	0	0	0	4326	5
PCT	8.2	16.6	25.7	19.3	13.7	7.2		2.2	2.1	.2		.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD:	(PRIMARY)	1923-1973
	tours	

TABLE 1

AREA 0005 CENTRAL SPANISH SAHARA 24.7N 16.6W

PERCENT FREQUENCY	DE	HEATHED	DECLIBERNICE	DV	HIND	DIRECTION

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	UTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	
N NE	:1	-+	.1	:0	.0	.0	.0	:6	:1	:3	1.4	.0	1.2	.2	96.0
£	.0	•1	.0	.0	.0	•0	.0	.0	.0	1.1	2.2	.0	2.6	1.1	95.7
SE	1.9	.0	.0	.0	.0	•0	.0	1.9	1.9	1.9	2.8	.0	.0	.0	91.5
S	.9	.0	.9	.0	.0	.0	.0	1.8	.0	.0	1.3	.0	.0	.0	96.9
SW	.2	1.5	.0	.0	.0	.0	.0	1.7	1.5	.0	.8	.0	.0	.0	96.1
	.4	.7	.0	.0	.0	.0	.0	1.1	1.4	.0	1.0	.0	.2	.4	95.9
NW	.0	.4	.2	.0	.0	.0	.0	.6	.6	.0	1.5	.0	. 8	.1	96.4
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.7	.0	4.5	.6	85.1
TOT PCT	7107	.3	.1	.0	.0	.0	.0	.5	.4	.3	1.7	.0	1.4	.3	95.5

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
HOUR (GHT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	ND SIG WEA
00603 06609 12615 18621	.2 .1 .0	.1 .6 .3	.1 .0 .2 .1	.0	.0	.0	.0	.3 .7 .4 .5	.2 .5 .4 .4	.6 .3 .0	1.0 1.9 1.6 2.3	.0	1.0 .9 1.8 1.9	.3	96.5 95.4 95.4 94.4
TOT PCT	7310	.3	.1	.0	.0	•0	.0	.5	.4	.3	1.7	.0	1.4	.3	95.4

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

0-3	4-10	11-21	ED (KN) 22-33	34-47	48+	TOTAL OBS	PCT	MEAN SPD	00	03	06	HDUR 09	(GMT)	15	18	21	
1.2	10.3	27.0	1.5	.2	.0		22.7	11.6			23.0	18.1	18.7 53.1	17.3 58.3	24.6	23.4	
.3	2.8	2.5	.6		.0		6.2	11.9	4.9	4.6	6.2	8.8	7.8	3.9	4.9	5.6	
.1	.6	.1		.0	.0		.9	7.7	.7	.7	1.1	1.0	1.1	.0	.7	.8	
.2	.7	.4		.0	.0		1.2	8.4	1.1	2.3	1.3	1.3	1.5	1.3	1.2	.8	
.4	1.9	.8	.1		.0		3.2	8.8	2.6	1.8	3.0	3.8	3.7	3.6	3.5	2.5	
.5	3.7	1.4	.2		.0		5.7	9.1	5.4	3.6	5.2	5.3	5.6	6.2	6.6	6.5	
.7	4.7	2.0	.2						7.9	6.5	7.6	7.5					
.0	.0	.0		.0					.0	.0		.0					
847	5444	5964	1317	44	0	13616					2645						
6.2	40.0	43.8	9.7	.3	.0		100.0				100.0					100.0	
	1.2 .9 .3 .1 .2 .4 .5 .7 .0 2.0 847	0-3 4-10 1.2 10.3 .9 15.3 .3 2.8 .1 .6 .2 .7 .4 1.9 .5 3.7 .7 4.7 .0 .0 2.0	0-3 4-10 11-21 1.2 10.3 9.7 .9 15.3 27.0 .3 2.8 2.5 .1 .6 .1 .2 .7 .4 .4 1.9 .8 .5 3.7 1.4 .7 4.7 2.0 .0 .0 .0 .0 .0 2.0 847 5444 5964	0-3 4-10 11-21 22-33 1.2 10.3 9.7 1.5 9 15.3 27.0 7.1 .3 2.8 2.5 .6 .1 .6 .1 .* .2 .7 .4 .* .4 1.9 .8 .1 .5 3.7 1.4 .2 .7 4.7 2.0 .2 .0 .0 .0 .0 2.0 847 5444 5964 1317	1.2 10.3 9.7 1.5 * .9 15.3 27.0 7.1 .2 .3 2.8 2.5 .6 * .1 .6 .1 * .0 .2 .7 .4 * .0 .4 1.9 .8 .1 * .5 3.7 1.4 .2 * .7 4.7 2.0 .2 * .0 .0 .0 .0 .0 .2 .0 .2 .0 .2 .0 .3 .0 .0 .0 .0 .0 .3 .0 .4 .0 .0 .0 .0 .5 .0 .0 .0 .0 .6 .0 .0 .0 .0 .7 .0 .0 .0 .8 .0 .0 .0 .0 .0 .8 .0 .0 .0 .0 .0 .9 .0 .0 .0 .0 .9 .0 .0 .0 .0 .9 .0 .0 .0 .0 .9 .0 .0 .0 .0 .9 .0 .0 .0 .0 .0 .9 .0 .0 .0 .0 .0 .9 .0 .0 .0 .0 .0 .9 .0 .0 .0 .0 .0 .9 .0 .0 .0 .0 .0 .9 .0 .0 .0 .0 .0 .0 .9 .0 .0 .0 .0 .0 .0 .9 .0 .0 .0 .0 .0 .0 .0 .9 .0 .0 .0 .0 .0 .0 .0 .0 .9 .0 .0 .0 .0 .0 .0 .0 .0 .0 .9 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .9 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	0-3 4-10 11-21 22-33 34-47 48+ 1.2 10.3 9.7 1.5 * .0 .9 15.3 27.0 7.1 .2 .0 .1 .6 .1 * .0 .0 .2 .7 .4 * .0 .0 .4 1.9 .8 .1 * .0 .5 3.7 1.4 .2 * .0 .7 4.7 2.0 .2 * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 2.0 2.0 5944 5964 1317 44 0	0-3 4-10 11-21 22-33 34-47 48+ TOTAL OBS 1.2 10.3 9.7 1.5 * .0 9 15.3 27.0 7.1 .2 .0 1. 6 .1 * 0 .0 2 .7 .4 * .0 .0 4 1.9 .8 .1 * .0 5 3.7 1.4 .2 * .0 7 4.7 2.0 .2 * .0 2.0 .0 .0 .0 .0 2.0 .0 .0 .0 .0 2.0 844 5964 1317 44 0 13616	0-3 4-10 11-21 22-33 34-47 48+ TOTAL PCT OBS FREQ 1.2 10.3 9.7 1.5 * .0 22.7 50.5 50.5 50.5 6 * 0 6.2 1 6 1 * 0 0 9.9 6.2 1 6 1 * 0 0 1.2 1.9 8 1 * 0 0 1.2 1.9 8 1 * 0 0 5.7 7.5 7.7 4.7 2.0 2 * 0 5.7 7.5 0 0 0 0 0 2.0 2.0	0-3 4-10 11-21 22-33 34-47 48+ TOTAL PCT MEAN OBS FREQ SPD 1.2 10.3 9.7 1.5 * .0 22.7 11.6 .9 15.3 27.0 7.1 .2 .0 50.5 14.4 .3 2.8 2.5 .6 * .0 6.2 11.9 .1 .6 .1 * .0 .0 .9 7.7 .2 .7 .4 * .0 .0 1.2 8.4 .4 1.9 .8 .1 * .0 3.2 8.8 .5 3.7 1.4 .2 * .0 5.7 9.1 .7 4.7 2.0 .2 * .0 7.5 9.0 .0 .0 .0 .0 .0 .0 .0 2.0 2.0 .0 847 5444 5964 1317 44 0 13616	0-3 4-10 11-21 22-33 34-47	0-3 4-10 11-21 22-33 34-47 48+ TOTAL PCT MEAN OO 03 1.2 10.3 9.7 1.5 * .0 22.7 11.6 26.9 23.0 9 15.3 27.0 7.1 .2 .0 50.5 14.4 48.0 57.4 1 .6 .1 * .0 .0 .0 9 7.7 .7 .7 .7 .7 .2 .7 .4 * .0 .0 1.2 8.4 1.1 2.3 4 1.9 .8 .1 * .0 .0 3.2 8.8 2.6 1.8 5 3.7 1.4 .2 * .0 5.7 9.1 5.4 3.6 7 4.7 2.0 .2 * .0 7.5 9.0 7.9 6.5 0 .0 .0 .0 .0 .0 7.5 9.0 7.9 6.5 2.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .	0-3 4-10 11-21 22-33 34-47 48+ TOTAL PCT MEAN OO 03 06 1.2 10.3 9.7 1.5 * .0 22.7 11.6 26.9 23.0 23.0 .9 13.3 27.0 7.1 .2 .0 50.5 14.4 48.0 57.4 50.2 .3 2.8 2.5 .6 * .0 6.2 11.9 4.9 4.6 6.2 .1 .6 .1 * .0 .0 .9 7.7 .7 .7 .7 1.1 .2 .7 .7 .4 * .0 .0 1.2 8.4 1.1 2.3 1.3 .4 1.9 8.8 1 * .0 .0 3.2 8.8 2.6 1.8 3.0 .5 3.7 1.4 .2 * .0 5.7 9.1 5.4 3.6 5.2 .7 4.7 2.0 .2 * .0 5.7 9.1 5.4 3.6 5.2 .7 4.7 2.0 .2 * .0 5.7 9.1 5.4 3.6 5.2 .7 4.7 2.0 .2 * .0 5.7 9.1 5.4 3.6 5.2 .7 4.7 2.0 .2 * .0 0 7.5 9.0 7.9 6.5 7.6 2.0 2.5 8.4 5.4 1.1 2.3 1.3 2.5 1.5 2.5 2.5 2.7 4.7 2.0 .2 * .0 0 7.5 9.0 7.9 6.5 7.6 2.0 2.5 8.4 1.1 2.3 1.3 2.5 1.5 2.5 2.5 2.5 2.7 4.7 2.0 .2 * .0 0 7.5 9.0 7.9 6.5 7.6 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5	0-3 4-10 11-21 22-33 34-47 48+ TOTAL PCT MEAN SPD 00 03 06 09 1.2 10.3 9.7 1.5 * .0 22.7 11.6 26.9 23.0 23.0 18.1 9.1 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1	0-3 4-10 11-21 22-33 34-47	0-3 4-10 11-21 22-33 34-47 48+ TOTAL PCT HEAN SPD 00 03 06 09 12 15 15 1.2 10.3 9.7 1.5 * .0 22.7 11.6 26.9 23.0 23.0 18.1 18.7 17.3 .9 15.3 27.0 7.1 .2 .0 50.5 14.4 48.0 57.4 50.2 52.7 53.1 58.3 .3 2.8 2.5 .6 * .0 6.2 11.9 4.9 4.6 6.2 8.8 7.8 3.9 1. 6 .1 * 0 0.0 9 7.7 .7 .7 1.1 1.0 1.1 1.1 2.2 .7 1.4 * 0 0.0 1.2 8.4 1.1 2.3 1.3 1.3 1.5 1.3 1.5 1.3 1.9 1.9 4.9 4.6 6.2 8.8 7.8 3.9 1.0 1.9 8.1 * 0 0.0 1.2 8.4 1.1 2.3 1.3 1.3 1.5 1.3 1.5 1.3 1.5 1.3 1.5 1.3 1.5 1.3 1.5 1.3 1.5 1.3 1.5 1.3 1.5 1.3 1.5 1.3 1.5 1.3 1.5 1.3 1.5 1.3 1.5 1.3 1.5 1.3 1.5 1.3 1.5 1.3 1.5 1.3 1.5 1.3 1.5 1.3 1.5 1.3 1.5 1.3 1.5 1.3 1.5 1.3 1.5 1.3 1.5 1.3 1.5 1.3 1.5 1.3 1.5 1.3 1.5 1.3 1.5 1.3 1.5 1.3 1.5 1.3 1.5 1.3 1.5 1.3 1.5 1.3 1.5 1.3 1.5 1.3 1.5 1.3 1.5 1.3 1.5 1.3 1.5 1.3 1.5 1.3 1.5 1.3 1.5 1.3 1.5 1.3 1.5 1.3 1.5 1.3 1.5 1.3 1.5 1.3 1.5 1.3 1.5 1.3 1.5 1.3 1.5 1.3 1.5 1.3 1.5 1.3 1.5 1.3 1.5 1.3 1.5 1.3 1.5 1.3 1.5 1.3 1.5 1.3 1.5 1.3 1.5 1.3 1.5 1.3 1.5 1.3 1.5 1.3 1.5 1.3 1.5 1.3 1.5 1.3 1.5 1.3 1.5 1.3 1.5 1.3 1.5 1.3 1.5 1.3 1.5 1.3 1.5 1.3 1.5 1.3 1.5 1.3 1.5 1.3 1.5 1.3 1.5 1.3 1.5 1.3 1.5 1.3 1.5 1.3 1.5 1.3 1.5 1.3 1.5 1.3 1.5 1.3 1.5 1.3 1.5 1.3 1.5 1.3 1.5 1.3 1.5 1.3 1.5 1.3 1.5 1.3 1.5 1.3 1.5 1.3 1.5 1.3 1.5 1.3 1.5 1.3 1.5 1.3 1.5 1.3 1.5 1.3 1.5 1.3 1.5 1.3 1.5 1.3 1.5 1.3 1.5 1.3 1.5 1.3 1.5 1.3 1.5 1.3 1.5 1.3 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5	0-3 4-10 11-21 22-33 34-47	0-3 4-10 11-21 22-33 34-47

WND DIR	0-6	7-16	SPEED 17-27	(KNOTS) 28-40	41+	TOTAL OBS	PCT	MEAN SPD	00	06 09	12 15	18
N NE	5.3	12.4	17:4	1.8	•0		22.7	11.6	26.7	21.5	18.7	24.2
E	1.3	3.3	1.4	.1	.0		6.2	11.9	4.9	7.0	7.6	5.1
SE	.6	:6	.1	:	.0		1.2	7.7	1.2	1.1	1.5	1.7
SW	1.3	1.6	.3		.0		3.2	8.8	2.6	3.3	3.7	3.2
	2.3	2.8	.5	.1			5.7	9.1	5.4	5.2	5.6	6.6
VAR	2.8	4.1	.6		.0		7.5	9.0	7.8	7.5	6.6	8.0
CALM	2.0	.0	.0	.0	.0		2.0	:0	2.3	2.2	2.0	1.8
TOT OBS	2929	6959	3416	310	2	13616		12.3	2824	3853	3014	3925
TOT PCT	21.5	51.1	25.1	2.3			100.0		100.0	100.0	100-0	100-0

PERIOD: (PRIMARY) 1923-1973 (QVER-ALL) 1855-1973

TABLE 4

AREA 0005 CENTRAL SPANISH SAHARA
24.7N 16.6M

ERCENTAGE	FREQUENCY	UF	MIND	SPEED	BY	HUUK	(GMT)

HOUR	CALM	1-3	4-10	11-51 MIND	SPEEC (KNOTS) 34-47	48+	MEAN	PCT	TOTAL
60300	2.3	3.6	39.1	44.7	9.8	.5	.0	12.4	100.0	2824
90300	2.2	4.3	40.7	42.0	10.3	.4	.0	12.2	100.0	3853
12615	2.0	4.3	39.9	43.5	10.1	.2	.0		100.0	3014
18621	1.8	4.4	39.9	45.1	8.6	.2	.0	12.1	100.0	3925
TOT	279	568	5444	5964	1317	44	0	12.3		13616
PCT	2.0	4.2	40.0	43.8	9.7	. 3	.0		100.0	

TARLE 5

....

,	CT FRE		OTAL Y WIN	CLOUD A	TION	(EIGHTHS)							CEILIN NH <5/					
WND DIR	0-2	3-4	5-7	8 & D85CD	TOTAL	COVER	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	
N NE	16.1	4.3	3.9			2.2		.0	.1	:4	1.1	.9	.5	.1	.1	.2	22.2	
NE	27.0	9.7	10.1	2.8		2.6		.0	.1	. 9	3.1	2.6	1.2	.4	.3	.4	40.5	
	2.4	.7	.9	.2		2.6	.0	.0	.0	.1	.2	• 2	.1	.0		*	3.5	
SE	.3	.1	.2	.1		3.2		.0		.0		.1		.0			.5	
S	.9	.3	.2	.1		2.4		.0			.1	.1		.0	.0		1.3	
SW	1.7	.7	.6	.1		2.8		.0	.0		.2	.2	.1	.1	.0		2.6	
	3.3	1.2	1.2	.2		2.6		.0	.0	.1	.3	.4	- 1				4.9	
NW	4.1	1.5	1.4	.4		2.7		.0	.0	.1	.4	.2	.i			.1	6.2	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
CALM	1.4	.3	.4	.1		2.2	.0	.0	.0	.0	.2	.1	.1				1.8	
TOT OBS	3360	1106	1111	296	5873	2.5	•	.0	13	97	333	281	128	36	26	54	4900	5873
TOT PCT	57.2	18.8	18.9	5.0	100.0		.1	.0	.2	1.7	5.7	4.8	2.2	.6	.4	.9	83.4	100.0

TABLE 7

CUMULATIVE PCT FREQ	OF SIMULTANFOUS	DCCURRENCE
OF CETLING HEIGHT		

			VSBY (NM	,			
- DR	- OR	- OR	- DR	- nR	- OR	- OR	. DR
>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
1.2	1.4	1.4	1.4	1.4	1.4	1.4	1.4
1.8	2.0	2.0	2.0	2.0	2.0	2.0	2.0
3.7	4.1	4.2	4.2	4.2	4.2	4.2	4.2
7.7	8.8	9.0	9.0	9.0			9.0
12.5	14.3	14.6	14.6	14.6	14.6	14.6	14.6
13.9	15.9	16.2	16.2	16.2	16.3	16.3	16.3
14.1	16.1	16.4	16.4	16.4		16.5	16.5
14.1	16.1	16.4	16.4	16.4		16.5	16.5
14.1	16.1	16.4	16.5	16.5	16.5	16.5	16.6
	>10 1.2 1.8 3.7 7.7 12.5 13.9 14.1 14.1	1.2 1.4 1.8 2.0 3.7 4.1 7.7 8.8 12.5 14.3 13.9 15.9 14.1 16.1 14.1 16.1 14.1 16.1	>10 >5 >2 1.2 1.4 1.4 1.8 2.0 2.0 7,7 8.8 9.0 12.5 14.3 14.0 13.9 15.9 16.2 14.1 16.1 16.4 14.1 16.1 16.4	1.2	>10 >5 >2 >1 >1/2 1.2 1.4 1.4 1.4 1.4 1.4 1.8 2.0 2.0 2.0 2.0 2.0 7.7 8.8 9.0 9.0 9.0 9.0 12.5 14.3 14.6 14.6 14.6 12.9 15.9 16.2 16.2 16.2 14.1 16.1 16.4 16.4 14.1 16.1 16.4 16.4 14.1 16.1 16.4 16.4 14.1 16.1 16.4 16.4 14.1 16.1 16.1 16.4 16.5	1.2	1.2

TOTAL NUMBER OF OBS: 5994

PCT FREQ NH <5/8: 83.4

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	DBSCD	OBS
36.3	16.4	13.8	9.6	6.7	4.0	4.6	4.6	3.9	.1	6303

PERIOD: (PRIMARY) 1923-1973 (DVER-ALL) 1855-1973

TABLE 8

AREA 0005 CENTRAL SPANISH SAHARA 24.7N 16.6W

(NM)		N	NE	E	SE	5	SW	*	NW	VAR	CALM	PCT	DES
	PCP	.0	.0	.0	.0	.0		.0	.0	.0	.0		
(1/2	NO PCP			:0	*				*	.0		.2	
	TOT %			.0						.0		.2	
	PCP		.3	.0	.0	.0			.0	.0	.0	.6	
1/2<1		.1	.3		.0	.0	*			.0	*	.6	
	TOT %	.1	.4		.0	.0				.0		.6	
	PCP	.0	.0	.0	.0	.0		.0	.0	.0	.0	.3	
1<2	NO PCP	.1	. 2		.0	.0	.0	.0	:	.0	.0	.3	
	TOT %	.1	. 2		.0	.0		.0	•	.0	.0	.3	
	PCP	.0		.0	.0	.0	.0	.0	.0	.0	.0		
2<5	NO PCP	.3	:7	. 1			.0	:1	.1	.0	.2	1.5	
	TOT \$.3	.7	.1			.0	.1	.1	.0	.2	1.5	
	PCP	.1		.0			.0			.0	.0	.2	
5<10	NO PCP	3.8	7.8	1.0	.1	.3	.6	.7	1.0	.0	.4	15.7	
	TOT &	3.8	7.8	1.0	.2	.3	.6	.7	1.0	.0	.4	15.9	
	PCP	.1		.0	.0	.0				.0	.0		
10+	ND PCP	20.8	40.0	3.2	.5	1.2	2.6	5.0	6.3	.0	1.6	81.3	
	TOT %	20.8	40.1	3.2	.5	1.2	2.7	5.1	6.3	.0	1.6	81.6	
	TOT 065												709
	TOT PCT	25 1	49.3	4 4	. 7	1.6	3.4	5 9	7 5	0		100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED

				,	WITH V	ARYING	VALUE	S DF V	IZIBIL	ITY			
VSBY (NM)	SPD	N	NE	E	SE	s	SH		NW	VAR	CALM	PCT	TOTAL
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0			
<1/2	4-10			.0						.0		.1	
	11-21				.0	.0	.0	.0	.0	.0			
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %									.0	*	.1	
	0-3			.0	.0	.0	.0			.0			
1/2<1	4-10		.1		.0	.0				.0		.1	
	11-21		.1		.0	.0			.0	.0		.2	
	22+		.1	.0	.0	.0	.0	.0	.0	.0		.1	
	TOT #	.1	.3		.0	.0	•			.0		.5	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0			
1<2	4-10			.0	.0					.0		.1	
	11-21		.1		.0	.0	.0	.0		.0		.2	
	22+		.2	.0	.0	.0	.0	.0	.0	.0			
	TOT %	.1	.2	•	.0		•	•	•	.0		.3	
	0-3				.0	.0				.0	.2	.3	
245	4-10	.1	.2	.1		.0				.0		.6	
	11-21	.1	.3				.0			.0		.6	
	22+	:	.1	.0	.0	.0	.0	.0	.0	.0		.1	
	TOT \$.3	.7	.1	•1			.1	.1	.0	.2	1.6	
	0-3	.1	.1				.1		.1	.0	.4	.9	
5<10	4-10	1.3	1.9	.5	.1	.1	.3	.4 .2 .7	.4	.0		5.1	
	11-21	1.7	4.4			.1	.2	. 2	.3	.0		7.3	
	22+	3.4	1.2	.1	.0	.0	.0		.,	.0		1.7	
	TOT \$	3.4	7.6	1.0	.2	.3	.5	.7	.9	.0	.4	15.0	
	0-3	1.0	.8	.2	.1	.1	.3	.3	.4	.0	1.6		
10+	4-10	9.3	13.0	1.9	.3	.6	1.0	3.2	4.2	.0		34.1	
	11-21	8.5	22.4	1.5	.1	.3	.6	1.2	1.6	.0		36.2	
	22+	1.2	5.6	.3	.0	.0	.1	.1	.1	.0		7.4	
	TOT \$	20.0	41.9	3.9	.5	.9	2.5	4.9	6.3	.0	1.6	82.6	
7	07 085												10025
	OT PCT	24.0	50.7	5.1	. 8	1.2	3.1	5.6	7.3	-0	2.1	100.0	

PERIOD: (PRIMARY) 1923-1973 (UVER-ALL) 1855-1973

TABLE 10

AREA 0005 CENTRAL SPANISH SAHARA 24.7N 16.6W

PERCENT FREQUENCY OF CELLING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GHT)	149	150 299	300 599	999	1999	2000 3499	3500 4999	5000	6500 7999	8000+	TOTAL	NH <5/8	TOTAL
00603	.1	.0	.1	1.3	4.8	4.0	1.9	.4	.5	.7	13.8	86.2	1497
36609	.0	.0	.2	2.0	8.2	5.9	3.1	.9	.3	1.2	21.9	78.1	1467
12615	.1	.0	.3	2.1	5.5	5.5	2.1	.6	.5	1.1	17.8	82.2	1683
18621	.1	.0	.3	.9	3.5	3.3	1.3	.4	.3	.7	10.8	89.2	1568
PCT	5	.0	13	99	340	290	130	36	26	57	996	5219	6215

		PERCENT	FREQUENC	Y V58Y	(NH)	BY HOUR		CUMULAT					VSBY (NM)	
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL	HOUR (GHT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00603		.3	.3	1.3	14.4	83.6	2289	00403	•1	.3	3.1	12.5	84.4	1435
90300	.1	.7	•2	1.7	17.7	74.6	2714	96609	.0	.4	4.6	20.0	75.5	1403
12615	.2	.3	.4	1.9	12.4	84.9	2438	12815	-1	.5	4.9	15.5	79.5	1628
18621	.2	.6	.5	1.5	15.4	81.8	2786	18621	•1	.5	2.6	9.5	87.9	1528
TOT	13	51	36	163	1540	8424	10227	TOT	5	26	228	858	4908	5994

	1,4000													1.00						
	PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP											PERC	ENT FR	EQUENC	Y OF W	10 ON1	RECTIO	N BY T	EMP	
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100		FREQ	N	NE	E	- SE	s	SW	W	NW	VAR	CALM
80/84	.0	.0	.0	.0		.0	.0	.0	1		.0	.0	.0	.0	.0	.0		.0	.0	.0
75/79	.0			.1	.3	.3	.1	.0	43	.8	.2	.2	*	.0	.0	1		.1	.0	.1
70/74	.0	.0	.1	.4	2.5	4.0	3.3	.9	610	11.2	3.1	4.6	.5	.1	.2	.6	.9	1.0	.0	.1
65/69	.0		.1	1.2	8.9	20.1	20.1		3192	58,7	15.8	27.5	2.6	.4	1.2	1.8	3.9	4.6	.0	.8
60/64	.0	.0		.5	3.5	9.9	10.8	4.4	1586	29.2	7.0	17.6	1.3	.2	.1	.3	. 8	1.4	.0	.5
55/59	.0	.0	.0	.0	.0			.1	7	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	*
TOTAL	0	1	12	119	830	1863	1865	749	5439	100.0										
PCT	.0		.2	2.2	15.3	34.3	34.3	13.8			26.1	50.0	4.5	. 7	1.5	2.8	5.7	7.2	.0	1.5

TABLE 16

	MEANS,	EXTREM	ES AND	PERCEN	TILES	OF TE	4P (DE	G F) B	Y HOUR		PERC	ENT FRE	QUENCY	OF RELA	TIVE H	YTIDIMU	BY HOUR	1
HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL	HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
00603	77	71	69	65	61	60	57	64.9	2871	00603	.0	1.2	9.0	31.6	38.4	19.8	81	1382
90300	81	71	69	64	61	59	54	64.6	3866	06609	.0	1.7	10.4	29.6	40.1	18.3	81	1370
12615	84	77	73	68	63	61	52	67.8	2967	12615	.0	4.6	22.1	37.6	27.8	7.9	76	1418
18621	33	76	73	67	63	61	50	67.0	3858	18621	.0	2.3	19.1	37.4	31.4	9.7	77	1407
TOT	84	75	72	66	62	60	50	66.1	13562	TOT	0	138	849	1901	1915	774	79	5577

PERIOD: (PRIMARY) 1923-1973 (UVER-ALL) 1855-1973

TABLE 17

AREA 0005 CENTRAL SPANISH SAHARA
24.7N 16.6W

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)

			42	AIR-	SFA TI	EMPERA	TURE	DIFFE	KENCE	(DEC F)		
AIR-SEA	49	100	57	61	65	69	73	77	81	TOT	W	WD
THP DIF	52		60	64	68	72	76	80	84		FUG	FOG
20/22	.0	.0	.0	.0	.0	.0		.0		2	.0	
17/19	.0	.0	.0	.0	.0	.0	.0	.0		1	.0	
14/16	.0	.0	.0	.0	.0	.0				4	.0	.1
11/13	.0	.0	.0		.0		.3	.1	.0	27		.4
9/10	.0	.0	.0	.0	.1	.1	.3	.1	.0	32	*	.4
7/8	.0	.0	.0	.0	.1	.5	. 6	. 2	.0	88	.1	1.3
6	.0	.0	.0		.1	.5	.3		.0	63	.1	.9
5	.0	.0	.0	.1	.7	1.5	.6		.0	186	.1	2.7
4	.0	.0	.0	.3	1.3	1.5	.3	. 0,	.0	244	.1	3.6
3	.0	.0	.0	.2	2.2	2.4	.3	.0	.0	336	.1	5.0
2	.0	.0	.0	1.0	4.9	3.1	.3		.0	616	.3	9.1
1	.0	.0	.0	2.4	7.7	2.9		.0	.0	865	.2	12.9
-1	.0	.0	.1	5.7	10.9	2.4	. 1		.0	1269	.2	19.0
-1	.0	.0	.1	6.2	9.5	1.0	. 1	.0	.0	1119	.3	16.7
-2	.0	.0	.1	5.1	5.7	.6		.0	.0	767	.1	11.5
-3	.0	.0	. 2	3.4	2.9	.3	.0	.0	.0	445	.1	6.7
-4	.0	.0	. 2	2.0	1.1	. 1		.0	.0	224		3.4
-5	.0	.0	.3	1.2	.9	.1	.0	.0	.0	158		2.4
-6	.0	.0	.1	. 4	.2		.0	.0	.0	47	.0	.7
-7/-8	.0	.1	.1	. 3	.2		.0	.0	.0	48	.0	.7
-9/-10	.0	.1	.1	.2	.1	.0	.0	.0	.0	28		.4
-11/-13						.0	.0	.0	.0	10		.1
-14/-16			.0		*	.0	.0	.0	.0	5	.0	.1
TOTAL	2		83		3205	5,50	214		3		118	6466
		13		1892		1142		30		6584		
PCT		. 2	1.3		48.7	17.3	3.3	. 5		100.0	1.8	98.2

PERIOD: (DVER-ALL) 1963-1973

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT) 11-21 1.7 3.9 3.5 1.7 5.2 .0 .0 .0 .0 .0 .0 .0 11-21 3.2 10.6 8.8 4.2 1.1 .0 .0 .0 .0 .0 .0 .0 .0 .0 4-10 1.8 7.5 4.5 1.00 .0 .0 .0 .0 .0 .0 .0 48+ -47 34-47 HGT
<1
1-2
3-4
5-6
7
8-9
10-11
12
13-16
17-19
20-22
23-25
26-32
33-40
41-48
49-60
61-70
71-86
FFT 34-47 48+ 48+

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

										Cat					
				\$							SW				
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1		.3		.0	.0	.0	.3	.2	.0	.0	.0	.0	.0	.8	
1-2		.3	.1	.0	.0	.0	.4	.1	.9	.2	.0	.0	.0	1.2	
3-4	.0	.3	.2	.0	.0	.0	.4	.0	.5	.2	.0	.0	.0	.7	
5-6	.0		.3	.0	.0	.0	.3	.0	.1	.1	.0	.0	.0	.2	
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	*	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0		.0	.0	.0		.0	.0			.0	.0		
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT		.9	.6	.0	.0	.0	1.5	.3	2.0	.5		.0	•0	2.9	
															7074
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.3	.8	.1	.0	.0	.0	1.2	.3	1.0	.2	.0	.0	.0	1.5	
1-2	.1	2.2	.2	.0	.0	.0	2.6		2.3	.4	.0	.0	.0	2.8	
3-4	.0	.7	.5	.0	.0	.0	1.3		.7	.5	.1	.0	.0	1.3	
5-6	.0	.2	.5		.0	.0	.8	.0	.1	.6	.0	.0	.0	.6	
7	.0	.0	.2		.0	.0	. 2	.0		.2	.1	.0	.0	.3	
8-9	.0		.0		.0	.0	.1	.0	.0			.0	.0		
10-11	.0	.0	.0	.0	.0	.0		.0	.1	.0	.0	.0	.0	.1	
12	.0		.0		.0	.0	.1	.0	.0		.0	.0	.0		
13-16	.0	.0		.0	.0	.0		.0	.0		.0	.0	.0		
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.4	4.0	1.6	.1	.0	.0	6.1	.4	4.2	1.9	.2	.0	.0	6.6	97.0
IUI PCI	.4	4.0	1.0	• 1	.0	.0	0.1	.4	4.2	1.9	. 2	.0	.0	0.0	71.0

	WIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	5.1	6.3	.7	.0	.0	.0	12.0	003
1-2	.9	18.9	5.9	.0	.0	.0	25.7	
3-4	.2	0.5	16.5	1.2	.0	.0	27.4	
5-6	.0	2.0	14.1	2.7	.0	.0	18.9	
7	•1	.2	6.3	2.7	.1	.0	9.4	
8-9	•0	.1	1.7	2.0	.1	.0	3.9	
10-11	•0	.1	.7	.8	.1	.0	1.6	
12	.0		. 1	.4	.0	.0	.5	
13-16	•0		.2	. 2	.1	.0	.5	
17-19	•0	.0	.0	.0	.0	.0	.0	
20-22	•0	.0	*		.1	.0	.1	
23-25	• 0	.0	.0	.0	.0	.0	.0	
26-32	•0	.0	.0	.0	.0	.0	.0	
33-40	•0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	•0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	•0	.0	.0	.0	.0	.0	.0	
87+	•0	.0	.0	.0	.0	.0	.0	
	.0			•••		••		3834
TOT PCT	6.2	37.0	46.3	10.1	.4	.0	100.0	

PERIOD: (OVER-ALL) 1949-1973 TABLE 19 PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS) PERIOD (SEC) <6 6-7 8-9 10-11 12-13 >13 INDET TOTAL PCT 7 8-9 10-11 6.0 5.7 2.9 1.0 .6 .1 4.0 971 20.4 1456 1027 582 338 210 67 1076 4756 100.0 1.4 8.3 10.4 1. 8 5.7 0 .5 1.6 0 .8 .7 0 .0 1.3 0 .0 .0 3.8 3.9 5.1 235 684 1181 5.4 14.4 24.8 2.8 4.6 3.6 1.6 .5 .4 3.1 787 16.5 1.0 2.4 1.5 1.1 .5 .3 1.6 402 8.5 1.5 1.1 1.0 .7 .2 .7 263 5.5 .000000000 ·1 ·4 ·3 ·4 ·3 ·2 ·2 ·8 8 1.9 .1 .3 .7 .4 .3 .2 .2 103 2.2 .0 .1 .1 .1 .0 .0 .0 .1 .0 .0 * 0000000000 .0.00.0000 .0000000000 .000000000 .0000000000

PERIOD: (PRIMARY) 1923-1973 (OVER-ALL) 1855-1973

TABLE 1

AREA 0005 CENTRAL SPANISH SAHARA 24.7N 16.6W

PERCENT	FREQUENCY	DF	WEATHER	DECURRENCE	BY	WIND	DIRECTION

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	DTHFR FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	FUG WU PCPN	FOG WO PCPN PAST HR	SMOKE		NO SIG WEA
N NE		.1	.1	.0	.0	.0	.0	:3	.3		1.5		1.6	.2	96.0
NE	.1	2	.1	.0	.0	.0	.0	.3	.2	.1	1.4	.0	1.8	.1	96.0
E	.0	.0	.6	.0	.0	.0	.0	.6	.4	.6	3.9	.0	.4	.0	94.1
E SE	3.6	3.6	.0	.0		.0	.0	7.3	.0	3.6	1.8	.0	.0	.0	90.9
S	1.8	.0	.0	.0	.0	•0	.0	1.3	.0	2.7	4.1	.0	.0	.0	93.2
SW	.0	1.1	.0	.0	.0	.0	.0	1.1	1.1	.5	.3	.0	.0	.0	97.0
SW W NW	.0	.0	.0	.0	.0	.0	.0	.0	.6	.0	.6	.0	.3	.0	98.4
NW	.0	.3	.3	.0	.0	.0	.0	.6	.0	.3	1.1	.0	1.0	.0	97.1
VAR		.0	.0	.0	.0	•0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	:0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.4	.0	.0	.0	96.6
TOT PCT TOT OBS:	6660	.2	.1	.0	.0	•0	.0	.3	.2	.2	1.5		1.6	.1	96.0

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			P	RECIPI	TATION	TYPE					OTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT	PCPN PAST	THDR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	
00603 06609 12615 18621	.1 .1 .1	.4 .1 .1	.2 .0 .2 .1	.0	.0	•0	.0	.7 .2 .3 .2	.3 .3 .2	.2 .4 .1 .0	1.3 1.2 1.6 1.8	.0 .0 .0	1.2 1.1 1.7 2.2	.1 .1 .1	96.1 96.7 96.0 95.5
TOT PCT	6828	•2	.1	.0	.0	•0	.0	.4	•2	.2	1.5		1.6	.1	96.1

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		WI	ND SPE	ED (KN	075)								HOUR	(GMT)			
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	FREQ	SPD	00	03	06	09	12	15	18	21
N NE	1.2	11.3	12.8	2.0	•	.0		27.3	12.1	30.1	33.6	27.4	22.5	23.5	20.6		26.6
ME	. 8	13.8			. 2	.0		54.2	14.8	52.4							
E	.3	1.9	2.1	.3	.0	.0		4.5	11.8	3.1	1.5	4.8	8.1	5.5	2.1	3.4	4.6
SE	.2	.3	.1		.0	.0		.6	7.2	.4	.0	.6	.7	. 8	.8	.4	.7
S	.2	.3	.2			.0		.7	7.7	.5	.0	.8	.5	1.1	.0	.7	.6
SW	.2	.8	.5	.1	.0	.0		1.6	9.9	1.5	.8	1.6	2.0	1.6	1.4	1.6	1.5
W	.4	1.7	.9	.1	.0	.0		3.0	8.8	3.7	1.1	2.9	2.7	2.4	1.1	3.1	3.8
NW	.7	4.1	1.7	.1		.0		6.6	8.7	6.8	4.3	6.5	7.1	5.3	6.6	6.9	8.4
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.4							1.4	.0	1.4	.6	1.4	1.3	1.9	.6	1.3	1.0
TOT DBS	681	4381	6443	1291	31	0	12827		13.0	2477	162	2464	1200	2634	158	2554	1178
TOT PCT	5.3	34.2	50.2	10.1	2	-0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WND DIR	0-6	7-16	SPEED 17-27		41+	TOTAL	PCT	MEAN SPD	00	06 09	12 15	18 21
N NE	5.2	15.6	6.1	1:8	.0		27.3	12.1	30.4	25.8	23.4	29.5
Ε	1.0	2.4	1.1				4.5	11.8	3.0	5.9	5.3	3.8
SE	.3	.2		.0	.0		.6	7.2	.4	.6	.8	.5
S	. 4	.8	.1	.0	.0		.7	7.7	.5	.7	1.0	.6
SW	.6	. 8	.2		.0		1.6	9.9	1.5	1.7	1.6	1.6
W	1.3	1.5	.3		.0		3.0	8.8	3.6	2.9	2.4	3.3
NW	2.6	3.4	.5		.0		6.6	8.7	6.6	6.7	5.4	7.4
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	1.4						1.4	.0	1.4	1.4	1.8	1.2
TOT OBS	2250	6607	3672	298	0	12827		13.0	2639	3664	2792	3732
TOT PCT	17.5	51.5	28.6	2.3	- 0		100.0		100.0	100.0	100.0	100.0

PERIOD: (PRIMARY) 1923-1973 (OVER-ALL) 1855-1973

TABLE 4

AREA 0005 CENTRAL SPANISH SAHARA 24.7N 16.6W

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

				MIND	SPEED (KNOTS)			PCT	TOTAL
HOUR	CALM	1-3	4-10		22-33	34-47	48+	MEAN	FREQ	OBS
00603	1.4	3.8	34.2	49.1	11.2	.4	.0	13.2	100.0	2639
90300	1.4	3.8	34.5	50.2	9.9	.2	.0	12.9	100.0	3664
12615	1.8	4.0	32.0	51.1	10.7	.3	.0	13.1	100.0	2792
18621	1.2	3.9	35.4	50.3	9.0	.2	.0	12.7	100.0	3732
TOT	181	500	4381	6443	1291	31	0	13.0		12827
PCT	1.4	2.0	24 2	60.2	10.1	. 2	0		100.0	

TABLE S

T.D. .

P	CT FRE	Q DF T	TAL O	DIREC		EIGHTHS)			PERCEN	TAGE F	REQUEN CURREN	CY OF	CEILIN NH <5/	S HEIG	HTS (F	RECTI	+4/8) JN	
WND DIR	0~2	3-4	5-7	8 & 085CD	TOTAL	COVER	000	150 299	300 599	600 999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	
N	18.7	5.8	5.8	1.7		2.5			.0	.5	2.0	1.9	.7	.2	.1	.2	26.4	
NE	28.0	11.2	11.7	3.8		2.9	.0	.0	.1	1.0	4.3	3.6	1.4	.4	.2	.6	43.1	
E	1.1	.4	.5	.1		2.9	.0	.0	.0	*	.2	.1	.1	.0	*		1.8	
SE	.1	.1	.1			3.8	.0	.0	.0	*	.1	*	*		.0	.0	.2	
S	.4		.2	.1		3.3	.0	.0	.0	*	*	*	.1	.0	.0	.0	.5	
SW	.7	.3	.2			2.5	.0	.0	.0					.0	.0	.0	1.2	
	1.6	.4	.3	.1		2.2	.0	.0	.0		.1	.1	.0		.0	.0	2.2	
NW	3.0	1.1	.6	. 2		2.4	.0		.0		. 2	.2	.1	.0	.0		4.4	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	1.0	.2	.2	.0		1.6	.0	.0	.0		.1	.1	.0		.0	.0	1.3	
TOT OBS	3044	1088	1094	340	5566	2.7	1	1	4	93	388	341	130	37	18	46	4507	5566
TOT PCT	54.7	19.5	19.7	6.1	100.0				. 1	1.7	7.0	6.1	2.3	.7	.3	. 8	81.0	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANFOUS OCCURRENCE OF CEILING NEIGHT (NH >4/8) AND VSBY (NH)

				VSBY INM	1)			
CEILING	- OR	- DR	· OR	· DR	- nR	- OR	- DR	- DR
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
OK >6500	.9	1.1	1.1	1.1	1.1	1.1	1.1	1.1
OR >5000	1.5	1.6	1.8	1.8	1.8	1.8	1.8	1.8
OR >3500	3.5	4.1	4.1	4.1	4.1	4.1	4.1	4.1
OR >2000	8.9	10.1	10.3	10.3	10.3	10.3	10.3	10.3
OR >1000	14.5	16.9	17.2	17.2	17.2	17.2	17.2	17.2
DR >600	15.8	18.5	18.9	18.9	18.9	18.9	18.9	18.9
DR >300	15.8	18.6	18.9	19.0	19.0	19.0	19.0	19.0
OR >150	15.8	18.6	19.0	19.0	19.0	19.0	19.0	19.0
OR > 0	15.8	18.6	19.0	19.0	19.0	19.0	19.0	19.0
TOTAL	894	1050	1070	1072	1072	1072	1072	1072

TOTAL NUMBER OF OBS: 5643

PCT FREQ NH <5/8: 81.0

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 OBSCO OBS 31.8 17.0 14.4 11.0 6.3 4.3 5.2 5.0 4.9 * 5923

PERIOD: (PRIMARY) 1923-1973		AREA 0005 CENTRAL SPANISH SAHARA
(OVER-ALL) 1855-1973	TABLE 8	24.7N 16.6W

		P	ERCENT	PRECI	PITATI	DIREC	TH VAR	VS OCC	ALUES	DF VIS	IBILI	CURRENC	E DF
VSBY		N	NE	E	SE	s	SW		NW	VAR	CALM	PCT	TOTAL
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
<1/2	NO PCP			.0	.0	.0				.0	.0		
	TOT &		•	.0	.0	.0				.0	.0	.1	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
1/2<1		.2	.3	.1			.0	.0	.0	.0	.0	.6	
	TOT \$.2	. 3	:1			.0	.0	.0	.0	.0	.6	
	PCP	.0	.0	.0	.0	.0	.0	.0		.0	.0		
<2	NO PCP	.1	.1	.0	.0	.0	.0			.0	.0	.2	
	TOT %	.1	.1	.0	.0	.0	.0	•	. 1	.0	.0	. 2	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	NO PCP	. 3	. 8		.0					.0		1.3	
	101 %	.3	. 8		.0					.0		1.3	
	PCP		.1	.0		.0		.0	.0	.0	.0	.2	
10	NO PCP	5.5	10.9	.7	.1	.2	.3	.3	1.0	.0	.2		
	TOT &	5.6	11.0	.7	.1	.2	.3	.3	1.0	.0	.2	19.4	
	PCP	.1		1.7	:0		.0	2:1		.0	.0	2	
10+	NO PCP	25.0	42.2			.6	1.0		4.3	.0	1.1	78.3	
	TOT \$	25.1	42.2	1.8	.3	.6	1.0	2.1	4.3	.0	1.1	78.4	
	TOT OBS												6640
	TOT PCT	31.3	54.5	2.5	-4	. 8	1.4	2.3	5.4	.0	1.3	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPO	N	NE	E	SE	S	SW	w	NW	VAR	CALM	PCT	TOTAL
	0-3		.0	.0	.0	.0	.0	.0		.0	.0		
<1/2	4-10			.0	.0	.0			.0	.0			
	11-21		.0	.0	.0	.0	.0	.0	.0	.0			
	22+	.0		.0	.0	.0	.0	.0	.0	.0			
	TOT %			.0	.0	.0	*			.0	.0	.1	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	4-10						.0	.0	.0	.0		.1	
	11-21	.1	.1		.0	.0	.0	.0	.0	.0		.2	
	22+		.1	.0	.0	.0	.0	.0	.0	.0		.1	
	TOT %	.2	.2	.1			.0	.0	.0	.0	.0	.4	
	0-3		.0	.0	.0	.0	.0	.0	.0	.0	.0		
1<2	4-10		*	.0	.0	.0	.0		.1	.0		.1	
	11-21			.0	.0	.0	.0	.0	.0	.0		.1	
	22+			.0	.0	.0	.0	.0	.0	.0		.1	
	TOT %	.1	.1	.0	.0	•0	.0		.1	.0	.0	.2	
	0-3		,2	.0	.0	.0	.0	.0	.0	.0	.1	.1	
2<5	4-10	.1	,2		.0				.1	.0		.4	
	11-21	. 2	.5		.0	.0	.0			.0		.7	
	22+		.1		.0	*		.0	.0	.0		.2	
	TOT %	.3	, 8	•	.0				.1	.0	.1	1.4	
	0-3	.1	.1	.3	.1			.1	.1	.0	.2	.7	
5<10	4-10	1.6	1.7	.3	*	.1	:2	:2	.5	.0		4.7	
	11-21	2.7	6,3	.4		.1	.1	.1	.3	.0		9.9	
	22+	.7	2.0		.0			.0		.0		2.8	
	TOT %	5.0	10.1	.7	•1	• 2	.4	.3	1.0	.0	.2	18.0	
	0-3	1.1	10.7	.1		:1	.1	1.5	.6	.0	1.2	4.1	
10+	4-10	10.4	10.7	1.0	.2	.2	.6	1.5	3.4	.0		27.9	
	11-21	11.3	25.5	1.1		.1	.3	.7	1.3	.0		40.5	
	22+	1.6	5.4	.2		.0		.0	.1	.0		7.3	
	TOT %	24.4	42.2	2.5	.3	.5	1.1	2.5	5.4	.0	1.2	79.9	
1	TOT OBS		-					-					9337
1	OT PCT	30.0	53.4	3,3	.4	.7	1.4	2.8	6.5	.0	1.4	100.0	

PERIOD: (PRIMARY) 1923-1973 (OVER-ALL) 1855-1973

TABLE 10

AREA 0005 CENTRAL SPANISH SAHARA 24.7N 16.6W

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 by HOUK

HOUR (GMT)	000 149	150 299	300 599	999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL	
00603	.0	.0	.0	1.6	5.4	5.3	1.7	.6	.1	.6	15.2	84.8	1419	
90360	.0	.1	.3	2.8	11.9	10.3	3.3	1.1	.5	.9	31.3	68.7	1378	
12615	.1	.0	.0	1.3	6.4	6.4	2.7	.6	.4	1.1	18.9	81.1	1554	
18621	.0	.0	.0	.8	3.7	2.5	1.3	.4	.2	.5	9.4	90.6	1505	
TOT	1	1	4	94	395	353	132	38	18	46	1082	4774	5856	

TABLE 11

TABLE 12

		PERCENT	FREQUEN	CY VSR	((NM)	BY HOUR		CUMULAT	IVE PCT	FREQ G HGT	OF RAN	GES OF NH >4/8	VSBY (NM)	AND/OR
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00603		.4	.1	1.3	17.8	80.3	2120	00603	.0	.0	2.9	13.9	83.2	1358
06609	.2	•2	.2	1.6	20.3	77.5	2543	96609	.2	.5	5.0	28.0	67.0	1318
12615	•1	.4	.2	1.6	15.6	82.1	2224	12615	•1	.1	2.7	17.8	79.5	1505
18621	.0	.7	.3	1.2	18.8	79.0	2619	18621	.0	.0	2.1	8.8	89.2	1462
TOT	8	42	20	136	1731	7569	9506 100-0	TOT	3	9	176	954	4513 80.0	5643

TABLE 13

병원 등에 되었다면 하는 것이 되었다. 그는 사람들은 얼마를 가지 않는 것이 없는 것이 되었다. 그는 것이 없는 것이 없는 것이 없었다.																				
	PERC	ENT FR	EQUENC	Y OF R	ELATIV	E HUMI	DITY B	Y TEMP				PERC	ENT FRE	QUENC	OF W	IND DI	RECTIO	N BY T	EMP	
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	OBS	FREQ	N	NE	E	SE	s	SW	W	NW	VAR	CALM
80/84	.0	.0	.0	.0		.0	.0	.0	1				.0	.0	.0	.0	.0	.0	.0	.0
75/79			.1	.2	.2	.2		.0	34	.7	.2	.3	*	.0	.0			.1	.0	
70/74	.0	.0	.1	.7	2.6	3.3	1.6	.4	449		3.1	4.0	.3	*	.1	.2	.3	.6	.0	.2
65/69	.0	.0	.1	2.1	12.5	23.4	18.1	7.1	3269	63.3	19.5	35.5	1.3	.2	. 5	.9	1.5	3.6	.0	.4
50/64	.0	.0		.2	3.6	10.0			1406	27.2	8.6	16.2	. 8	.1	.1	.1	.3	.9	.0	.1
55/59	.0	.0	.0	.0	.0			.1	7	.1	.0	.1	.0	.0	.0	.0	.0		.0	
TOTAL	1	1	14	157	979	1908	1517	589	5166	100.0		-								
PCT			.3	3.0	19.0	36.9	29.4	11.4			31.3	56.0	2.3	.4	.7	1.2	2.2	5.1	.0	.7

TABLE 15

TABLE 16

	HENNS!	EVIKEN	ES AND	PERCEN	ILTEP.	OF IE	AP (DE	G F) B	A HOOK
HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL
E0300	77	70	68	65	62	60	52	65.0	2679
90300	83	72	69	65	62	60	54	65.0	3668
12615	84	77	74	68	64	61	54	68.1	2734
18621	83	77	73	67	63	61	52	67.4	3668
TOT	9.4	78	72	44	4.7	40			

	PERC	ENT FRE	QUENCY	OF RELA	TIVE H	UMIDITY	BY HOUR	
HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
60300	.0	1.2	13.2	35.6	34.2	15.8	79	1306
06609	.1	1.9	14.2	34.1	34.4	15.3	79	1281
12615	.0	6.6	24.6	39.7	23.0	6.0	74	1327
18621	.0	3.8	23.5	37.9	26.2	8.5	75	1353
TOT	1	180	1000	1942	1547	597	77	5267

PERIOD: (PRIMARY) 1923-1973 (OVER-ALL) 1855-1973

TABLE 17

AREA 0005 CENTRAL SPANISH SAHARA 24.7N 16.6W

PCT	FREQ	OF	AIR	TEMPERATURE	(DEG	F)	AND	THE	OCCURRENCE	OF	FOG	TUDHTIM	PRECIPITATION)
				VS ATE	-SFA	TF	MPFR	ATUR	E DIFFERENC	F (DEG !	=)	

			-									
AIR-SEA	49	53	57	61	65	69	73	77	81	TOT	W	WO
THP DIF	52	56	60	64	68	72	76	80	84		FOG	FOG
17/19	.0	.0	.0	.0	.0		.0	.0		2	.0	
14/16	.0	.0	.0	.0	.1	.0			.1	11	.0	.2
11/13	.0	.0	.0		*	*	.2	.1	.0	22		.3
9/10	.0	.0	.0		.1	.1	.3	.1	.0	44	.1	.6
7/8	.0	.0	.0		.2	.5	.4		.0	75	*	1.2
6	.0	.0	.0		.3	.6	.3	.0	.0	70	.1	1.1
5	.0	.0	.0	.1	1.0	1.4	.4		.0	178	.1	2.9
4	.0	.0	.0	.4	1.4	1.7	.3		.0	228	.2	3.6
3	.0	.0	.0	.5	2.7	2.0	.2	.0	.0	327	.1	5.3
2	.0	.0		1.4	5.5	2.5			.0	574	.1	9.3
1	.0	.0	.0	2.7	8.6	2.1			.0	818	.2	13.3
0	.0	.0		5.3	11.9	1.4		.0	.0	1126	.1	18.4
-1	.0	.0	.1	5.6	11.3	.6	.0	.0	.0	1063	.3	17.3
-2	.0	.0	.1	4.8	6.3	.2		.0	.0	693	.1	11.3
-3	.0	.0		3.4	3.5	.1	.0		.0	430	.1	7.0
-4	.0	.0	.2	1.8	1.4		.0		.0	208	*	3.4
-4	.0		.2	.9	.7	*		.0	.0	115	.0	1.9
-6	.0	.0		.3	.1	.0		.0	.0	28	*	.4
-7/-8	.0		.1	.3	.1		.0	.0	.0	37	.0	.6
-9/-10	.0			.1		.0	.0	.0	.0	10	.0	.2
-11/-13		.1		.0	.0	.0	.0	.0	.0	8	.0	.1
-14/-16	*	.0	.0	.0	.0	.0	.0	.0	.0	1	.0	
TOTAL	3		55		3339		144		5		97	5971
		8		1697		803		24		6068		
PCT	*	.1	.9	27.8	55.0	13.2	2.4	.4	.1	100.0	1.6	98.4

PERIOD: (OVER-ALL) 1963-1973

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

	100			N							NE			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.5	1.7	.1	.0	.0	.0	2.3	.3	1.2	.3	.0	.0	.0	1.8
1-2	.4	5.8	2.3	.0	.0	.0	8.5	.1	5.6	5.0	.0	.0	.0	10.7
3-4	.0	3.1	6.7	.4	.0	.0	10.3	.0	3.4	11.2	1.0	.0	.0	15.6
5-6	.0	.6	4.2	.8	.0	.0	5.5	.0	.5	10.4	2.4	.0	.0	13.3
7	.0	.2	2.3	.8	.0	.0	3.2	.0	.3	5.9	2.3		.0	8.5
8-9	.0		.7	.5	.0	.0	1.3	.0		2.2	1.8		.0	4.0
10-11	.0	.0	.2	.3		.0	.5	.0		.7	.9	.0	.0	1.7
12	.0	.0	.1	.1	• 1	.0	.2	.0	.0	.2	.2	-1	.0	.4
13-16	.0	.0		.0	.0	.0		.0	.0		.2		.0	.3
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1		.0	.0	.1
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+ TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.8	11.5	16.5	2.9	•1	.0	31.8	.4	11.1	35.9	8.8	.1	.0	56.4
				E										
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1		.1		.0	.0	.0	.1		4-10	.0	.0	.0	.0	
1-2	.0	.2	.1	.0	.0	.0	• •			.0	.0	.0	.0	
3-4	.0	.1	.6	.0	.0	.0	:7	.0			.0	.0	.0	
5-6	.0	.0	.3		.0	.0		.0	.0	.0	.0	.0	.0	
7	.0	.1	.1		.0	.0	:4	.0	.0	.0	.0	.0	.0	.1 .0 .0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0		.0	.0	.0	.0		.0	.0	.0	.*	.0	.0	
12	.0	.0		.0	.0	.0		.0	.0	.0	.0	.0	.0	. 0
13-16	.0	.0		.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0		.0	.0		.0	.0	.0	.0	.0	.0	-0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	-0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT		.6	1.3	.1	.0	.0	2.0		:1	.0		.0	.0	.2
	-		1.0		•0		2.0	D. San Hills	• •			.0	.0	

PERIOD: (OVER-ALL) 1963-197	APRIL	AREA 0005 CENTRAL SPANISH SAHARA
PERIOD. (GVER-ACE) 1703-177	TABLE 18 (CONT)	24.7N 16.6W

PCT	FREQ OF	WIND	SPEED	(KTS)	AND	DIRECTION	VERSUS	SFA	HEIGHTS	(FT)

				s							SW				
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1		.1	.0	.0	.0	.0	.1		.1	.0	.0	.0	.0	.1	
1-2	.1	.0	.0	.0	.0	.0	.1		.1		.0	.0	.0	.2	
3-4	.0		.1	.0	.0	.0	.1	.0	.1	.1		.0	.0	.3	
5-6	.0	.0	.0		.0	.0		.0	.0	.2		.0	.0	.2	
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	:0	.0	.0	.0	:	.0	.0	:	
13-16	.0	.0		.0	.0	.0	.0	.0		.0	.0	.0	.0	:	
17-19	.0		.0	.0	.0		.0		.0	.0			.0	.0	
20-22	.0	.0		.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.1	.1	.1		.0	.0	.3	.1	.3	.3	.1	.0	.0	.8	
				w							22-33				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	46+	PCT	PCT
<1	.1	.3	.0	.0	.0	.0	.3	.2	.5	.0	.0	.0	.0	.7	
1-2	.2	.6	.2	.0	.0	.0	1.0	.1	1.4	.2	.0	.0	.0	1.7	
3-4	.0	.2	.4	.0	.0	.0	.6	.0	.7	.5	.0	.0	.0	1.2	
5-6	.0		.1		.0	.0	.1	.0	.2	.3	:	.0	.0	.5	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.1	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	*:	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0		
13-16	.0	.0		.0	.0	.0		.0	.0	.0		.0	.0		
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.3	1.1	.7	.0	.0	.0	2.1	.3	2.7	1.2	.2	.0		4.4	98.0

WIND	SPEFD	(KTS)	V5	SEA	HEIGHT	(FT)	

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT	
<1	3.4	4.0	.4	.0	.0	.0	7.8	003	
1-2	1.2	13.8	7.7	.0	.0	.0	22.7		
3-4	.0	7.7	19.6	1.4	.0	.0	28.6		
5-6	.0	1.3	15.3	3.3	.0	.0	19.9		
7	•0	.6	8.4	3.1		.0	12.2		
8-9	.0		2.9	2.4		.0	5.3		
10-11	.0	.1	.9	1.3		.0	2.3		
12	.0	.0	.3	.3	.1	.0	.7		
13-16	•0	.0	.1	.2		.0	.4		
17-19	.0	.0	.0		.0	.0			
20-22	.0	.0	.1		.0	.0	.1		
23-25	.0	.0	.0	.0	.0	.0	.0		
26-32	.0	.0	.0	.0	.0	.0	.0		
33-40	.0	.0	.0	.0	.0	.0	.0		
41-48	.0	.0	.0	.0	.0	.0	.0		
49-60	.0	.0	.0	.0	.0	.0	.0		
61-70	.0	.0	.0	.0	.0	.0	.0		
71-86	.0	.0	.0	.0	.0	.0	.0		
67+	.0	.0	.0	.0	.0	.0	.0		
TOT PCT		27.4	44.7	12.0	,	•	100.0	3489	

TOT PCT 4.6 27.4 55.7 12.0 .2 .0 100.0

PERIOD: (OVER-ALL) 1949-1973 TABLE 19
PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-46	49-60	61-70	71-86	87+	TOTAL	MEAN
<6	1.1	6.6	9.8	6.2	4.2	1.4	.4	.1	.1		.0	.0	.0	.0	.0	.0	.0	.0	.0	1288	4
6-7		1.2	4.7	6.6	6.0	3.0	1.7	. 8	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1056	6
8-9	.0	.3	1.8	3.0	4.3	3.0	1.8	.6	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	655	7
10-11	.0	.5	.7	1.0	1.0	.7	.3	.6	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	218	7
12-13	.0	.0	1.3	.7	.3	.1	.2	•1	.1	.0	.0		.0	.0	.0	.0	.0	.0	.0	118	5
>13	.0	.0	.0	.2	.3	.1	.2		.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	43	9
INDET	2.5	3.4	5.1	3.0	3.2	1.9	1.0	.3	.2	.0	.0		.0	.0	.0	.0	.0	.0	.0	911	4
TOTAL	157	517	1000	911	829	439	243	113	75	1	4	0	0	0	0	0	0	0	0	4289	5
PCT	1.7	12.1	21.3	21.2	19.3	10.2	4.7	2.4	1.7		- 1		- 0	0	-0	-0	.0	-0	-0	100-0	

PERIOD:	(PRIMARY)	1923-1973
	(OVER-ALL)	1864 1970

TABLE 1

AREA 0005 CENTRAL SPANISH SAHARA 24.7N 16.6W

PERCENT	FREGUENCY	DE	WEATHER	DECLIBRENCE	RV	MIND	DIRECTION	

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHENO	MENA	
WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT 08 TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	NO SIG WEA
N NE	.1	.1		.0	.0	.0	:0	.2	.1	.6	2.0	.1	3.3	.3	93.5
NE		•1	.1	.0	.0	•0	.0	• 2	.0	.4	2.1	.0	3.0	.3	93.9
E	.0	.0	.6	.0	.0	•0	.0	.6	.0	.0	1.7	.0	1.6	.0	96.1
SE	.0	.0	.0	.0	.0	•0	.0	.0	.0	.0	1.2	.0	.0	.0	98.8
S	2.1	.0	.0	.0	.0	•0	.0	2.1	.0	.0	.0	.0	.0	.0	97.9
SW	.5	.0	.0	.0	.0	.0	.0	.5	.2	3.4	1.0	.0	.0	.0	94.9
SW	1.0	.0	.0	.0	.0	.0	.0	1.0	1.6	1.3	2.9	.0	.6	.0	93.2
NW	.0	.1	.0	.0	.0	.0	.3	.4	.1	. 8	2.5	.1	2.5	.0	93.6
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	:0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	.0	.0	1.8	.0	96.4
TOT PCT	6883	.1	.1	.0	.0	.0		.2	.1	.6	2.0		2.9	.3	93.9

TABLE ?

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN	DKZL	FRZG PCPN	SNUM	OTHER FRZN PCPN	HAIL	PCPN AT	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNDW	NO SIG WEA
00603 06609 12615 18621	.2 .1 .0	.2 .1 .1	.0 .2 .1	.0	.0	•0	.0 .1 .0	.4 .3 .1	.1 .1 .1	1.2 .9 .0	1.1 2.8 2.0 2.3	.0 .1 .1	2.7 2.0 3.7 3.2	.5	94.5 93.7 93.6 93.8
TOT PCT	4987	-1	.1	.0	.0	•0		.2	•1	.6	2.1		2.9	.3	93.9

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

				The same						200 In V 1887		E 120 5 20					
		WI	ND SPE	ED (KN	OTS)								HOUR	(GHT)			
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	FREQ	MEAN	00	03	06	09	12	15	18	21
N	.9	13.0				.0		31.1		34.7		31.5			32.4		
NE	.7	15.1			.1	.0		54.2	14.2	50.3	50.0	54.0	59.7	57.2	54.3	52.5	55.4
E	.4	1.4	1.7	.2		.0		3.6	11.5	2.8	2.8	3.4	6.1	4.8	.9	2.7	3.2
SE	.1	.2	.1		.0	.0		.4	7.5	.3	.0	.4	.7	.7	.2	.5	.2
S	.1	.3	.1			.0		.5	8.7	.6	.0	.6	.3	. 8	.5	.4	.2
SW	.2	.7	.2			.0		1.2	7.6	1.5	1.3	1.0	.9	1.3	1.9	1.1	. 8
W	.3	1.5	.5		.0	.0		2.3	7.9	2.6	1.1	2.3	1.8	2.1	1.7	2.2	2.9
. NW	.6	3.8	1.3			.0		5.6	8.1	6.1	7.8	5.7		4.6			
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.0				147			1.0	.0	1.3	.6	1.2	.8	1.1	1.2	.7	.9
TOT DBS	546	4641	6649	1063	21	0	12920		12.7	2546	154	2497	1194	2641	162	2550	1176
TOT PCT	4.2	35.9	51.5	8.2	,	-0		100-0		100-0	100-0	100.0	100.0			100.0	100-0

TABLE 3A

		HTMO		(KNOTS)						HOU	R (GMT		
WND DIR	0-6	7-16	17-27		41+	TOTAL	PCT	MEAN	00	06	12	18	
						-							
N NE	5.3	18.3	19.0	.3	.0		31.1	12.2	34.8	29.1	27.8	32.9	
NE	4.4	29.9	19.0	1.0			54.2	14.2	50.3	55.8	57.1	53.4	
E	. 8	2.0	. 8	.1	.0		3.6	11.5	2.8	4.3	4.5	2.9	
SE	.2	.2		.0	.0		.4	7.5	.3	.5	.6	4	
5	.2	.2	.1	.0	.0		.5	8.7	.6	.5	.8	.4	
SW	.6	.2	.1	.0	.0		1.2	7.6	1.4	1.0	1.4	1.0	
W	1.0	1.1	.1		.0		2.3	7.9	2.5	2.1	2.1	2.4	
NW	2.4	3.0	.3	.0	.0		5.6	8.1	6.2	5.7	4.7	5.8	
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	
CALM	1.0						1.0	.0	1.2	1.1	1.1	.7	
TOT OBS	2084	7113	3544	177	2	12920		12.7	2700	3691	2803	3726	
TOT PCT	16.1	55.1	27.4	1.4			100.0		100.0	100.0	100.0	100.0	

TABLE 4

PERCENTAGE	FREQUENCY	DF	WIND	SPEED	BY	HUUR	(GHT

				WIND	SPEED (KNOTS			PCT	TOTAL
HOUR	CALM	1-3	4-10	11-21		34-47	48+	MEAN	FREQ	OBS
00603	1.2	2.9	35.7	51.7	8.2	.3	.0	12.9	100.0	2700
90300	1.1	3.4	37.4	49.5	8.4	.2	.0	12.5	100.0	3691
12615	1.1	3.4	34.0	52.2	9.2	.1	.0	13.0	100.0	2803
18621	.7	3.2	36.0	52.6	7.4	.1	.0	12.7	100.0	3726
TOT	130	416	4641	6649	1063	21	0	12.7		12920
PCT	1.0	3.2	35.9	51.5	8.2	. 2	.0		100.0	

TARIF

T.O. C 4

,	CT FRE			CLOUD A		MEAN							CEILIN NH <5/					
WND DIR	0-2	3-4	5-7	8 & 085CD	TOTAL	COVER	000 149	150 299	300 599	999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL
N	20.3	6.6	7.4	2.9		2.8			.2	1.1	2.4	1.9	1.0	.2	.4	.4	29.6	
NE	22.1	9.9	13.0			3.4	.1		.1	1.2	6.0	3.6	1.8	.3	.2	.6	35.9	
E	.9	.4	.4	.2		3.2	.0	.0	.0		.2	.1	.1		.0	.0	1.5	
SE	.2	.1		.0		1.8	.0	.0	.0	.0	.0		.0	.0	.0	.0	.3	
5	.3	.2	.2			2.9	.0	.0	.0		.1			.0	.0	.0	.5	
SW	.5	.4	.4	.1		3.4			.0		.1			.1	.0	.0	1.1	
	1.0	.4	.6	.1		3.1	.0	.0	.0		.1	.1	.1		.0		1.6	
NW	3.0	1.3	1.1	.4		2.8		.0	.0		.3	.2	.1	.1		.1	4.9	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.5	.2	.0	.1		2.0	.0	.0	.0	.0		.1		.0	.0	.0	.7	
TOT OBS	2708	1077	1279	482	5546	3.1	6	4	16	136	511	335	180	40	37	58	4223	5546
TOT PCT	48.8	19.4	23.1	8.7	100.0		.1	•1	.3	2.5	9.2	6.0	3.2	.7	.7	1.0	76.1	100.0

TABLE Y

CUMULATIVE	PCT FREQ	OF	SIMULTANEDUS	DECURRENCE
ne	SE UETCUT		/e W	

					VSBY (NA	1)			
C	EILING	· DR	· nR	- OR	- DR	. OR	· DR	· OR	- OR
()	FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
OR	>6500	1.1	1.6	1.7	1.7	1.7	1.7	1.7	1.7
OR	>5000	1.8	2.3	2.4	2.4	2.4	2.4	2.4	2.4
OR	>3500	4.4	5.5	5.7	5.7	5.7	5.7	5.7	5.7
DR	>2000	9.2	11.4	11.7	11.7	11.7	11.7	11.7	11.7
DR	>1000	16.0	20.3	20.8	20.8	20.8	20.8	20.8	20.8
OR	>600	17.8	22.6	23.2	23.3	23.3	23.3	23.3	23.3
OR	>300	18.0	22.8	23.5	23.5	23.5	23.5	23.5	23.5
DK	>150	18.0	22.9	23.6	23.6	23.6	23.6	23.6	23.6
OR	> 0	18.0	22.9	23.7	23.7	23.7	23.7	23.7	23.7
	TOTAL	1009	1284	1325	1326	1326	1326	1328	1328

TOTAL NUMBER OF OBS: 5598

PCT FPEQ NH <5/8: 76.3

TABLE 7A

PERCENTAGE FREQ UF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 OBSCD OBS

MAY

PERIOD:	(PRIMARY)	1923-1973
	(OVER-ALL)	1854-1973

TABLE 8

AREA 0005 CENTRAL SPANISH SAHARA 24.7N 16.6W

		P	ERCENT	PREC I	F WIND	DIRE	TH VAR	VS DCC	URRENCE ALUES	E OR N	ON-OCC	URRENC	E OF
VSBY (NM)		N	NE	E	SE	s	SW	w	NW	VAR	CALM	PCT	TOTAL
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	NO PCP		.0	.0	.0	.0	*	.0		.0	.0	.1	
	TOT %		.0	.0	.0	.0		.0		.0	.0	.1	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<	NO PCP	.2	.2		.0	.0	.0	.0	.1	.0	.0	:4	
	TOT &	• 2	.2	•	.0	.0	.0	.0	.1	.0	.0	.4	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	NO PCP	.1	.2	.0	.0	.0	.0	.0		.0	.0	.4	
	TOT %	.1	.2	.0	.0	.0	.0	.0		.0	.0	.4	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	NO PCP	.7	1.0		.0		*		.2	.0		2.0	
	TOT %	.7	1.0		.0				.2	.0		2.0	
	PCP				.0					.0	.0	.1	
5<10	NO PCP	8.4	12.6	.6		.2	.3	.5	.9	.0	.1	23.7	
	TOT %	8.4	12.6	.6		.2	.4	.5	.9	.0	.1	23.8	
	PCP		.1	.0	.0	.0	.0	1.7		.0	.0	.1	
10+	NO PCP	26.7	36.3	1.6	. 3	.5	1.1	1.7	4.4	.0	.6	73.2	
	TOT %	26.8	36.3	1.6	.3	.5	1.1	1.7	4.4	.0	.6	73.3	
	TOT DBS												6876
	TOT PCT	36.2	50.3	2.3	.3	.7	1.5	2.2	5.6	.0	. 8	100.0	

TABLE 9

SBY NM)	SPD KTS	N	NE	8	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL
Mui	0-3		.0	.0	.0	.0	.0	.0	.0	.0	.0		OBS
1/2	4-10	*	.0	.0	.0	.0	*	:0	*	.0			
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	*	.0	.0	.0	•0	*	.0		.0	.0		
	0-3		.0	.0	.0	.0	.0	.0		.0	.0		
/2<1	4-10	*	*	.0	.0	.0	.0	.0	*	.0		.1	
	11-21		.1	*	.0	.0	.0	.0	.0	.0		.1	
	22+			.0	.0	.0	.0	.0	.0	.0			
	TOT %	.1	.1		.0	•0	.0	.0		.0	.0	.3	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0			
1<2	4-10			.0	.0	.0	.0	.0		.0		.1	
	11-21		.1	.0	.0	.0	.0	.0	.0	.0		.2	
	22+	.0		.0	.0	.0	.0	.0	.0	.0		*	
	TOT %	.1	.2	.0	.0	•0	.0	.0	*	.0	*	.3	
	0-3			.0	.0	.0	.0		.0	.0		.1	
2<5	4-10	.3	.2		.0	*	:	:	.1	.0		6	
	11-21	.3	.5		.0					.0		.9	
	22+ TOT %	.6	.2	.1	.0	•0	.0	.0	.0	.0		1.7	
	0-3	.2	.2				.1	.1	.1	.0	.2	.9	
5<10	4-10	2.6	2.7	.2		.1	·i	.2	:4	.0	••	6.5	
	11-21	3.9	7.2	.3	.0		.1	.1	.2	.0		11.9	
	22+	.5	1.8		.0	.0				.0		2.5	
	TOT %	7.3	11.9	.6		•1	.3	.4	.8	.0	.2	21.7	
	0-3	.6	.5	.3	.1	.1	.1	1.3	.4	.0	.7	2.9	
10+	4-10	10.2	10.0	.8	.1	.2	.7	1.3	3.1	.0		26.5	
	11-21	12.9	25.2	1.1	.1	•1	.1	.3	. 8	.0		40.7	
	22+	1.5	4.1	.1						.0	-	5.8	
	TOT %	25.3	39.8	2.3	.3	.4	1.0	1.8	4.3	.0	.7	75.9	

AREA 0005 CENTRAL SPANISH SAHARA
24.7N 10.6W

TABLE 10 PERCENT FREQUENCY OF CEILING HFIGHTS (FEET,NH >4/8) AND DCCURRENCE OF NH <5/8 BY HOUR

					00	CONNE	ce ur	HI 131	0 0, 1	UUK			
HOUR (GMT)	000	150 299	300 599	999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL
00403	.0	.0	.1	1.2	6.0	3.7	2.3	.7	.1	.6	14.7	65.3	1404
90360	.2	.1	.4	4.8	15.6	9.6	4.2	.9	.5	1.5	37.7	62.3	1375
12615	.2	.1	.5	2.1	9.1	6.0	3.8	. 8	1.4	1.6	25.4	74.6	1532
18621	.0	.1	.1	1.4	5.2	4.3	2.2	.5	.5	.5	14.9	85.1	1467
TOT PCT	.1	.1	16	136	513 8.9	339 5.9	3.1	42	36	59	1334	76.9	5778 100.0

			TA	BLE 1	1						TABLE	12		
		PERCENT	FREQUENCY	VSBY	(NM)	BY HOUR							VSBY (NM)), BY HOUR	AND/OR
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL		<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL
00603	.0	.2	.2	1.8	20.6	77.2	2171	00603	.0	.1	3.2	13.7	83.1	1347
90300	•1	.5	.2	1.8	25.4	72.0	2586	90360	•2	.8	7.6	32.3	60.1	1332
12615		•2	.4	2.2	18.6	78.6	2241	12615	.2	.8	4.8	22.4	72.8	1485
18621	.0	.3	.5	1.4	22.1	75.6	2655	18621	.0	.2	3.6	13.1	83.3	1434
TOT PCT	:		31	172	2109		9653 100.0	TOT PCT	6	28	268 4.8	1135	4195 74.9	5598 100.0

					TAE	BLE 13										TABL	E 14				
	PERC	ENT FR	EQUEN	CY OF	REL	LATIVE	HUMI	DITY B	Y TEMP	TOTAL	PET		PERC	ENT FRE	QUENC	OF W	IND 01	RECTIO	N BY T	EMP	
TEMP F	0-29	30-39	40-4	9 50-	59 6	50-69	70-79	80-89	90-100		FREQ	N	NE	E	SE	S	SW	W	NW	VAR	CALM
85/89	.0	.0		0	.0		.0	.0	.0	1		.0	.0	.0	.0	.0	.0	.0	.0	.0	
80/84	.0	•		0	.0		.0		.0	3	.1			.0	.0	.0	.0	.0		.0	.0
75/79	.0	.0		1	.1	.7	.6	.1		89	1.6	.7	.7					.0	.1	.0	
70/74	.0	.0		1	.4	3.6	6.4	4.0	1.5	871	15.9	5.5	7.2	.7	.1	.1	.5	.5	1.2	.0	.2
65/69	.0			0	.4	5.5	25.1	30.8		3976	72.8	25.9	38.1	1.3	.2	.5	. 8	1.5	4.3	.0	.3
60/64	.0			0	.0	.3	1.9	4.0		522	9.6	3.5	5.4	.2				*	.3	.0	
55/59	.0			0	. 0	.0		.0	*	2	*			.0	.0	.0	.0	.0	.0	.0	.0
TOTAL	0	1		7	55	556	1858	2126	861	5464	100.0										
PCT	-0			1 1	-0	10.2	34.0	28.9	15.8			35.7	51.5	2.2	. 3	. 6	1.3	2.0	5.9	.0	.5

				TAE	LE 15									TABLE	16			
	MEANS,	EXTREM	ES AND	PERCEN	TILES	OF TE	MP (DE	G F)	Y HOUR		PERC	ENT FRE	QUENCY	OF RELA	TIVE H	VTIDIMU	BY HOUR	
HOUR (GMT)	MAX	99%	95%	50%	5%	12	MIN	MEAN	TOTAL DBS	HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
00603	79	72	69	66	63	61	51	66.2	2711	£0300	.0	.1	3.7	27.9	44.1	24.2	83	1354
06609		72.	70	66	63	61	51	66.2	3681	06609	.0	.3	6.2	27.1	43.9	22.5	82	1351
12615		78	75	69	65	63	54	69.4	2729	12615	.0	2.8	18.6	39.8	31.7	7.0	76	1383
18621		78	75	68	65	63	57	68.8	3657	18821	.0	1.3	11.7	41.0	35.5	10.4	78	1431
707	88	77	73	67	64	62	51	67.6	12778	TOT	0	64	559	1882	2137	877	80	5519

MAY

PERIOD: (PRIMARY) 1923-1973 (OVER-ALL) 1854-1973

TABLE 17

AREA 0005 CENTRAL SPANISH SAHARA 24.7N 16.6W

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FUG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

								2000		-			
AIR-SEA	49	53	57	61	65	69	73	77	81	85	TOT	W	WD
THP DIF	52	56	60	64	68	72	76	80	84	88		FOG	FOG
20/22	.0	.0	.0	.0	.0	.0	.0	.0	.0		1	.0	
14/16	.0	.0	.0	.0				.1		.0	12	.0	.2
11/13	.0	.0	.0	.0			.1	.5	.1	.0	31	.0	.5
9/10	.0	.0	.0	.0		.2	.4	.1		.0	44	*	:5
7/8	.0	.0	.0	.0	.2	.6	.6	.2		.0	95		1.5
6	.0	.0	.0	.0	.3	.5	:6	.1	.0		98	.1	1.5
5	.0	.0	.0	.1	1.2	2.0	. 8	.0	.0	.0	256	. 1	3.9
4	.0	.0	.0	.4	1.6	2.7	.5	*		.0	326	.1	5.1
3	.0	.0		.3	2.6	3.1	.4	*	.0	.0	403	.2	6.3
2	.0	.0	.0	.7	6.1	4.1	.2	*	.0	.0	704	.2	11.0
1	.0	.0	.0	1.3	10.2	4.4	.3	.0	.0	.0	1017	.2	16.0
0	.0	.0		2.7	13.4	3.5	.1	*	.0	.0	1240	.6	19.2
-1	.0	.0		1.9	12.3	1.5		*	.0	.0	983	.4	15.3
-2	.0	.0		1.5	6.7	.7	.0	.0	.0	.0	564	.1	8.9
-3	.0	.0		.9	2.7	.3	.0	*	.0	.0	248	.0	4.0
-4	.0	.0		.6	.9	.1		.0	.0	.0	102		1.6
-5	.0	.0	.1	.4	.6	.1	.0	*	.0	.0	76	*	1.2
-6	.0	.0	.0	.1	.2	*	.0	.0	.0	.0	24	*	.4
-7/-8	.0	.0	.1	.2	.2	*	.0	.0	.0	.0	27	.0	.4
-9/-10		.1	.1	*	.0	.0	.0	.0	.0	.0	13	.0	.2
-11/-13	*	.0	.0	*	.0	.0	.0	.0	.0	.0	2 2	.0	*
-14/-16	*		.0	.0	.0	.0	.0	.0	.0	.0	2	.0	*
TOTAL	5		22		3724		248		13			137	6131
		5		704		1496		49		2	6268		
PCT	.1	.1	.4		59.4	23.9	4.0	.8	. 2		100.0	2.2	97.8

PERIOD: (OVER-ALL) 1963-1973

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT 1-3 4-10 11-21 22-33 34-47	34-47 48 .0 .0 .0 .1	0 1.1 0 8.5 0 13.6 0 12.6 0 8.1 0 2.9
1-2	.0 .0 .1 .1	0 8.5 0 13.6 0 12.6 0 8.1 0 2.9
3-4	.1	0 13.6 0 12.6 0 8.1 0 2.9
5-6 .0 .7 7.4 .6 .0 .0 8.7 .0 .8 9.5 2.3 7 7 .0 .0 .8 .2 .3 .3 .5 .5 .5 .5 .5 .5 .5 .5 .5 .5 .5 .5 .5	.1	0 12.6 0 8.1 0 2.9
7	.1	0 8.1
8-9 .0 .0 .8 .7 .0 .0 1.4 .0 .1 1.8 1.1 10-11 .0 .0 .3 .2 .0 .0 .5 .0 .0 .5 .0 12 .0 .0 .1 1.8 1.1	:	0 2.9
10-11 .0 .0 .3 .2 .0 .0 .5 .0 .0 .5 .6 12 .0 .0 .1 .1 .0 .0 .2 .0 .0 .1 .1		
12 .0 .0 .1 .1 .0 .0 .2 .0 .0 .1 .1		0 1 2
12 .0 .0 .1 .1 .0 .0 .2 .0 .0 .1 .1	.1 .	
12-16 0 0 0 1 0 0 1 0 0 0 1		
	.0 .	
17-19 .0 .0 .0 * .0 .0 * .0 .0 .1	.0 .	
20-22 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0 .	0 .0
23-25 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0 .	
26-32 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0 .	0 .0
33-40 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0 .	
41-48 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0 .	0 .0
49-60 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0 .	
61-70 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0 .	0 .0
71-86 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0 .	0 .0
87+ .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0 .	
TOT PCT .7 12.1 22.2 3.0 .0 .0 37.9 .3 8.2 32.1 7.6	.2 .	0 48.3
E SE		
HGT 1-3 4-10 11-21 22-33 34-47 48+ PCT 1-3 4-10 11-21 22-33	34-47 48	+ PCT
<1 .1 .1 .0 .0 .0 .2 * * .0 .0	.0 .	0 .2
1-2 .1 .3 .2 .0 .0 .5 .1 .1 .0 .0	.0 .	0 .2
3-4 .0 .2 .1 * .0 .0 .3 .0 .1 .1 .0	.0 .	
5-6 .0 .0 .3 .0 .0 .0 .3 .0 .0 * .0	.0 .	0 *
/ .0 .0 .2 .0 .0 .0 .2 .0 .0 .	.0 .	
8-9 .0 .0 * .0 .0 * .0 .0 .0 .0 .0	.0 .	0 .0
10-11 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0 .	0 .0
12 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0 .	0 .0
13-16 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0 .	0 .0
17-19 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0 .	0 .0
20-22 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0 .	0 .0
23-25 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0 .	
26-32 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0 .	0 .0
33-40 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0 .	
41-48 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0 .	0 .0
49-60 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0 .	
61-70 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0 .	0 .0
71-86 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0 .	
87+ .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0 .	
TOT PCT .2 .5 .8 * .0 .0 1.6 .1 .2 .1 .0	.0 .	0 .4

MA

PERIOD: (OVER-ALL) 1963-1973

TABLE 18 (CONT)

AREA 0005 CENTRAL SPANISH SAHARA 24.7N 16.6W

PCT	FREQ OF	LIND	SPEED	(ATS)	AND	DIRECTION	VERSUS	SFA	HEIGHTS	(FT)	

				s							SW				
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1		.2	.0	.0	.0	.0	.2	.1	.4	.0	.0	.0	.0	.5	
1-2		.1		.0	.0	.0	.2	.1	.4		.0	.0	.0	.6	
3-4	.0		.2	.0	.0	.0	.2	.0	.1	.2	.0	.0	.0	.2	
5-6	.0		.1	.0	.0	.0	.1	.0		.2	.0	.0	.0	.2	
7	.0	.1		.0	.0	.0	.1	.0			.0	.0	.0	.1	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0		.0	.0	.0		.0	.0		.0	.0	.0		
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	•0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.1	.5	.4	.0	.0	.0	.9	.2	.9	.4	.0	.0	.0	1.5	
				w							NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.1	.1	.0	.0	.0	.0	.2	.3	1.0	.0	.0	.0	.0	1.3	
1-2	.2	1.0	.1	.0	.0	.0	1.3	.1	2.4	.5	.0	.0	.0	3.1	
3-4	.0	.2	.3		.0	.0	.5		.7	.4	.0	.0	.0	1.1	
5-6	.0		.1	.0	.0	.0	.2	.0		.3	.0	.0	.0	.3	
7	.0	.0		.0	.0	.0		.0	.1	*	.0	.0	.0	.1	
8-9	.0	.0		.0	.0	.0		.0	•0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0		.0		.0		.0		.0	.0		.0			
20-22	.0	.0	.0	.0	.0	.0	.0	.0	•0	.0	.0		•0	.0	
	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.3	1.3	.6	.0	.0	.0	2.2	.5	4.3	1.3	.0	.0	.0	6.0	98.8
101 -01	. 3	1.3			• 0	0	200	.,	4.3	1.5	.0	• 0	• 0	0.0	

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PET	TOT
<1	2.5	4.2	.2	.0	.0	.0	7.0	545
1-2	1.1	14.5	8.2	.0	.0	.0	23.9	
3-4		7.2	19.3	1.0	.0	.0	27.5	
5-6	.0	1.6	17.8	2.9		.0	22.3	
7	.0	.4	8.5	3.6	.1	.0	12.5	
8-9	.0	.1	2.6	1.7		.0	4.4	
10-11	.0	.0	.9	.9		.0	1.7	
12	.0	.0	.1	.2	.1	.0	.4	
13-16	.0	.0		.2	.0	.0	.2	
17-19	• 0	.0	.0	.1	.0	.0	.1	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	•0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								3629
TOT DET	2 -	20 0		10 4	2	^	100 0	

PERIOD: (DVER-ALL) 1949-1973

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN
<6	1.3	7.2	10.9	7.3	3.7	1.3	.5	.2	-0	.0	.0	.0	-0	.0	.0	.0	.0	.0	.0	1418	4
6-7	.0	1.3	6.0	8.7	6.7	3.1	1.4	.4	.3		.0	.0	.0	.0	.0	.0	.0	.0	.0	1229	6
8-9		.3	2.0	3.3	3.8	2.0		.3	.2		.0	.0	.0		.0	.0	.0	.0	.0	578	6
10-11	.0	.6	.7	1.0	.9	. 8	.6	.2	.1	.0		.0	.0	.0	.0	.0	.0	.0	.0	217	6
10-11	.0	.0	.7	.3	.5	.3	.2		.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	95	6
>13	.0	.0	.0	.1		.1		.2				.0	.0	.0	.0	.0	.0	.0	.0	21	10
INDET	1.6	3.9	4.3	4.0	2.6	1.5	.7	.2	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	836	4
TOTAL	128	587	1077	1084	799	398	210	64	40	5	2	0	0	0	0	0	0	0	0	4394	5
PCT	2.9	13.4	24.5	24.7	18.2	9.1	6.9	1.5	. 9	-1		-0	-0	-0	-0	.0	-0	-0	-0	100.0	

JUNE

PERIOD: (PRIMARY) 1922-1973 (OVER-ALL) 1855-1973

TABLE 1

AREA 0005 CENTRAL SPANISH SAHARA 24.7N 16.6W

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

			p	RECIPI	TATIO	N TYPE					DTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THOR	FUG WU PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	NO SIG WEA
N NE		.1	.0	.0	.0	.0	.0	:1	•1	.3	4.7	.0	4.0	. 8 . 7	90.2
NE			.1		.0	.0	.0	. 1	.1				3.1		92.5
3	.0	.0	.0	.0	.0	.0	.0	.0	. 8	. 8	1.3	.0	3.5	.0	93.7
E SE	3.4	.0	.0	.0	.0	.0	.0	3.4	.0	.0	10.3	.0	.0	.0	86.2
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.2	2.4	.0	.0	93.4
	.5	.0	2.1	.0	.0	.0	.0	2.6	.0	.0	2.6	.0	4.1	.0	90.7
SW	.9	.0	.0	.0	.0	.0	.0	.9	1.2	.0	.0	.0	.0	.0	97.9
NW	.0	.0	.0	.0	.0	•0	.0	.0	.0	.3	3.7	.0	1.1	.5	94.4
VAR		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.1	.0	.0	.0	92.9
TOT PCT	6338		.1	.0	.0	.0	.0	.2	.1	,3	3.7		3.3	.7	91.7

TABLE 2 PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			F	RECIPI	TATIO	N TYPE					DTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT	PCPN PAST HOUR	THOR	FOG WD PCPN	FOG WO PCPN PAST HR	SMOKE		
00403 00409	:1	•0	:1	.0	.0	.0	.0	•1	.2	.6	2.9	.1	2.5	.7	92.9
12815 18821	.1	•1	.0	.0	.0	•0	.0	.2	·1	.0	3.7	.0	4.1		91.3
TOT PCT	6451		.1	.0	.0	•0	.0	•2	•1	.3	3.7	*	3.3	.7	91.7

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WND DIR	0-3		11-21			48+	TOTAL	PCT	MEAN	00	03	06	HDUR 09	(GMT) 12	15	18	21
	.9	12.4	17.2	2.4	.1	.0		33.0	12.7	37.2	40.1	32.3	25.8	29.8	39.9	35.2	33.4
NE	.7	15.7	34.8	6.5	:5	.0		57.9	14.3	53.6	50.7	58.4	64.7	60.6	51.8	55.8	59.2
E	.2	1.4	1.4	.2		.0		3.2	11.6	2.7	.5	3.2	4.9	3.9	.5	2.6	2.5
SE	*	.3	.1		.0	.0		.4	8.6	.4	.7	.4	.5	.5	.0	.3	.4
S	.1	.2	.1			.0		.4	8.9	.5	.0	.3	.3	.5	1.0	.5	.1
SW	.1	.3	.1	*	.0	.0		.6	7.2	.6	.7	.6	.4	.5	1.0	. 8	.3
W	.2	.7	.2	*		.0		1.1	6.9	1.3	2.4	.9	1.0	1.1	1.8	1.1	.5
NW	.2	1.7	.4			.0		2.5	7.6	2.5	2.9	2.6	1.7	2.1	2.8	2.9	2.6
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.0							1.0	.0	1.2	2.1	1.3	.6	1.1	1.3	. 8	.9
TOT OBS	427	3986	6618	1122	32	0	12185		13.2	2341	146	2322	1197	2477	154	2429	1119
TOT PCT	3,5	32.7	54.3	9.2	.3	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

WND DIR	0-6	7-16	SPEED 17-27	(KNOTS) 28-40	41+	TOTAL OBS	PCT	MEAN SPD	00 03	06 09	12 15	18 21	
N NE	4.7	19.8	8.0	1:1	:		33.0	12.7	37.4 53.4	30.1	30.4	34.6	
E	.8	1.6	.7	*	.0		3.2	11.6	2.6	3.8	3.7	2.6	
SE	.2	.2		.0	.0		.4	8.6	.4	.4	.4	.3	
5	.2	.2			.0		.4	8.9	.5	.3	.5	. 4	
SW	.3	.3			.0		.6	7.2	.6	.6	.5	.6	
W	.6	.4		.0	.0		1.1	6.9	1.4	.9	1.1	.9	
NW	1.2	1.2	.1		.0		2.5	7.6	2.5	2.3	2.2	2.8	
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	
CALM	1.0						1.0	.0	1.2	1.1	1.1	.8	
TOT DBS	1666	6754	3565	197	3	12185		13.2	2487	3519	2631	3548	
TOT PCT	13.7	54.4	29.3	1.6			100.0		100.0	100.0	100.0	100.0	

PERIOD: (PRIMARY) 1922-1973 (OVER-ALL) 1855-1973

TABLE 4

AREA 0005 CENTRAL SPANISH SAHARA 24.7N 16.6W

PERCENTAGE	EREQUENCY	DE	WIND	SPEED	RY	HOUR	(GMT)	

HOUR	CALM	1-3	4-10		SPEED (48+	MEAN	PCT	TOTAL
00603	1.2	2.5	33.1	53.4	9.5	.2	.0	13.2	100.0	2487
90300	1.1	2.5	33.4	53.8	8.9	.4	.0	13.1	100.0	3519
12615	1.1	2.3	31.0	55.1	10.3	.2	.0	13.5	100.0	2631
18621	. 8	2.5	33.1	54.9	8.5	. 2	.0	13.1	100.0	3548
TOT	127	300	3986	6618	1122	32	0	13.2		12185
PCT	1.0	2.5	32 7	54 2	9.2	. 3	. 0		100.0	

TABLE 5

TABLE 6

P	CT FRE			DIREC	MOUNT (E	IGHTHS)			PERCEN.	TAGE F	REQUEN	CE OF	CEILIN NH <5/	B BY W	IND DI	RECTIO	94/8) DN	
WND DIR	0-2	3-4	5-7	8 & DBSCD		MEAN CLOUD COVER	000	150 299	300 599	600	1000	2000	3500 4999	5000 6499	6500 7999	8000+	NH <5/8	
N	22.2	5.8	6.8	5.1		2.8	.1	.0	.1	1.5	3.6	2.8	1.1	.3	.2	.4	29.8	
NE	23.1	7.8	12.1	7.4		3.5	.1		. 3	2.3	6.1	4.0	2.0	.7	.2	. 8	33.9	
E	.7	.2	.5	.4		4.0	.0	.0	.0		.3	.2	.1		*	*	1.0	
SE	.1	.1	.1	.2		5.1		.0	.0	*	*	.1	*	.0	.0	*	. 2	
S	.3	.1	.1	.1		3.0			.0	*	.1	.0	.0		.0	.0	.5	
SW	.3	.3	.3			3.7	.0		.0	*	*	. 1	.0	.0	.0	*	.7	
	.6	.4	.4			3.3	.0	.0	.0		.1	.1	*		.0	*	1.2	
NW	1.8	.7	.6	.2		2.7	.1	.0	.0	.1	. 2	.1	.1	.0	*	*	2.7	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.8	.3	.2	.1		2.4		.0	.0	*		.1	.0	.0	*		1.3	
OT OBS	2553	806	1071	689	5119	3.2	16	2	19	203	532	378	168	52	28	70	3651	511
TOT PCT	49.9	15.7	20.9	13.5	100.0		. 3		.4	4.0	10.4	7.4	3.3	1.0	.5	1.4	71.3	100.

TABLE 7

		F CEILIN	o HEIGHT		u,	30		
	VSBY (NM)							
CEILING	· OR	- OR	- OR	# OR	- DR	· DR	- DR	= DR
(FEET)	>10	>5	>5	>1	>1/2	>1/4	>50YD	>0
= OR >6500	1.1	1.9	1.9	2.0	2.0	2.0	2.0	2.0
= DR >5000	1.8	2.8	2.9	3.0	3.0	3.0	3.0	3.0
# DR >3500	4.2	6.0	6.2	6.2	6.2	6.2	6.2	6.2
■ DR >2000	9.4	12.8	13.5	13.5	13.5	13.5	13.5	13.5
■ UR >1000	16.2	22.7	23.8	23.9	23.9	23.9	23.9	23.9
■ OR >600	18.6	26.5	27.8	27.8	27.9	27.9	27.9	27.9
# DR >300	18.7	26.8	28.2	28.2	28.2	28.2	28.2	28.2
• OR >150	18.7	26.8	28.2	28.2	28.3	28.3	28.3	28.3
- DR > 0	18.7	27.0	28.4	28.4	28.5	28.5	28.6	28.6
TOTAL	972	1398	1471	1475	1476	1480	1483	1483

TOTAL NUMBER OF DBS: 5186

PCT FREQ NH <5/8: 71.4

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 OBSCO OBS 31.3 13.9 11.0 8.5 5.9 4.3 5.9 7.3 11.6 .3 5435 JUNE

PERIOD:	(PRIMARY)	1922-1973
	(DVER-ALL)	1855-1972

TABLE 8

AREA 0005 CENTRAL SPANISH SAHARA 24.7N 16.6W

		,	EKCENT	PREC 1	PITATI	ON WIT	H VAR	YING V	ALUES	F VIS	IBILIT	Y	EUF
VSBY		N	NE	E	SE	5	SH	W	NW	VAR	CALM	PCT	TOTAL
(MM)													OBS
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	NO PCP	*		.0	.0		.0	.0		.0	*	.1	
	TOT %	*		.0	.0	•	.0	.0		.0		.1	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	NO PCP	.4	.3	.0	*	.0	.0	.0		.0	.0	.7	
	TOT %	.4	.3	.0		.0	.0	.0		.0	.0	.7	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	NO PCP	.2	.1		.0		.0	.0	*	.0	.0	.4	
	TOT %	.2	• 1		.0		.0	.0		.0	.0	.4	
	PCP			.0		.0	.0	.0	.0	.0	.0		
2<5	NO PCP	1.7	.9		.0				.1	.0	.1	2.9	
	TOT %	1.8	.9						.1	.0	.1	2.9	
	PCP			.0	.0	.0		.0	.0	.0	.0	.1	
5<10	NO PCP	11.1	16.1	. 8	.2	.2	.1	.1	.7	.0	.2	29.5	
	TOT %	11.1	16.2	. 8	.2	.2	.1	.1	.7	.0	.2	29.5	
	PCP			.0	.0	.0			.0	.0	.0	.1	
10+	NO PCP	25.5	33.8	1.3	.2	:4	.6	1.2	2.2	.0	1.0	66.3	
	TOT %	25.5	33.8	1.3	• 2	.4	.6	1.2	2.2	.0	1.0	66.3	
	TOT OBS												6330
	TOT PCT	39.0	51.2	2 1		7	R	1.3	2 1	. 0	1.2	100.0	

TABLE 9

				PERCENT					VS WI		ED		
VSBY (NM)	SPD KTS	N	NE	Ε	SE	s	SW	W	NW	VAR	CALM	PCT	TOTAL
	0-3	.0	.0	.0	.0	.0	.0	.0		.0	*		
<1/2	4-10			.0	.0		.0	.0	*	.0		.1	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	*	*	.0	.0	.0	.0	.0	.0	.0		*	
	TOT %			.0	.0	*	.0	.0	*	.0	*	.1	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	4-10	*	*	.0	.0	.0	.0	.0		.0		.1	
	11-21	.2	.2	.0	*	.0	.0	.0	.0	.0		.4	
	22+	*	*	.0	.0	.0	.0	.0	.0	.0		.1	
	TOT %	.3	.2	.0	*	.0	.0	.0		.0	.0	.5	
	0-3		.0	.0	.0	.0	.0	.0	.0	.0	.0		
1<2	4-10	.1			.0	.0	.0	.0	.0	.0		1	
	11-21	.1	.1	.0	.0	*	.0	.0	*	.0		.1	
	22+	*		.0	.0	.0	.0	.0	.0	.0		*	
	TOT %	•2	.1		.0	*	.0	.0		.0	.0	.3	
	0-3	.1		.0	.0	.0	.0		.0	.0	.1	.1	
2<5	4-10	.4	.2		*			*	*	.0		.7	
	11-21	.9	.5	*	.0	*	*	.0	*	.0		1.5	
	22+	.1	.3	*	.0	.0	.0	.0	.0	.0		.4	
	TOT %	1.4	1.0		*		*	*	.1	.0	.1	2.7	
	0-3	.1	.2							.0	.2	.6	
5<10	4-10	3.0	3.2	.4	.1	*		.1	.4	.0		7.2	
	11-21	5.6	9.5	.2	*	.0	.0	*	. 2	.0		15.6	
	22+	1.1	2.4	.1				.0		.0		3.6	
	TUT %	9.8	15.4	.7	. 2	.1	• 1	.1	.6	.0	.2	27.0	
-	0-3	.6	.4	.1			.1	:17	.2	.0	.9	2.4	
10+	4-10	9.4	10.2	.7	.2	.2	.3	.7	1.5	.0		23.2	
	11-21	12.6	24.4	. 8	. 1	.1	.1	. 2	.3	.0		38.5	
	22+	1.3	3.8	.1	.0	.0	.0	.0		.0		5.1	
	TOT %	23.9	38.8	1.6	.3	.3	.5	1.0	2.0	.0	.9	69.3	
	OT 085												8783
T	OT PCT	35.7	55.5	2.4	- 4	. 5	- 6	1 - 1	2.6	-0	1.1	100.0	

TABLE 10

AREA 0005 CENTRAL SPANISH SAHARA 24.7N 16.6W

PERCENT FREQUENCY OF CEILING HFIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000	150 299	300 599	999	1000	2000 3499	3500 4999	5000 6499	6500	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL
00603	.2	.0	,3	2.9	6.4	4.6	1.8	1.0	.5	1.6	19.4	80.6	1291
06609	.2	.1	.7	7.4	19.0	12.4	5.5	1.1	.6	1.4	48.4	51.6	1266
12615	.5	.0	.3	3.9	10.9	9.2	3.7	1.2	.9	1.7	32.3	67.7	1413
18821	.3	.1	.1	1.5	4.4	2.5	1.9	.6	.2	.8	12.5	87.5	1353
TOT	16	2	19	207	538	381	170	52	29	74	1488	3835	5323

TABLE 11

TABLE 12

		PERCENT	FREQUEN	CY VSBY	(NM)	BY HOUR		CUMULAT					VSBY (NM)	
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL DBS
00603	.0	.4	.1	2.8	24.6	72.1	1978	00803	.2	.5	6.4	15.4	78.2	1243
90390	.1	.7	.2	2.2	30.5	66.3	2394	90300	•2	1.1	11.2	39.1	49.7	1242
12615	.2	.4	.5	3.3	24.7	70.9	2069	12615	.5	.9	7.9	26.8	65.4	1375
18821	.1	.7	.5	2.5	27.8	68.5	2454	18621	.3	.6	5.1	10.0	84.8	1326
TOT	9	48	29	236	2409	6164	8895	TOT	16	40	394	1179	3613 69.7	5186 100.0

TABLE 13

TABLE 1

						•									INGLE					
	PERCI	ENT FR	EQUENC	OF R	ELATIV	E HUMI	DITY B	Y TEMP	TOTAL	PCT		PERC	ENT FRE	QUENCY	OF WI	ND DI	RECTIO	N BY T	EMP	
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100		FREQ	N	NE	E	SE	S	SW	W	NW	VAR	CALM
85/89	.0	.0	.0		.0	.0	.0	.0	1		.0	*	.0	.0	.0	.0	.0	.0	.0	.0
80/84	.0	.0	*	*	. 1	*		*	14	.3	.1	.1	*	.0	.0	.0	.0	.0	.0	.0
75/79	.0	.0	.1	.1	1.1	1.7	.5	.2	187	3.7	1.3	1.8	.2	*	*	.1	.1	.1	.0	.1
70/74	.0	.0		.2	3.4	15.3	12.8	3.8	1817	35.6	13.6	17.7	. 7	.1	.2	.4	. 8	1.4	.0	.5
65/69	.0	.0	.0	.1	1.5	12.7	31.6	12.5	2981	58.3	22.5	31.6	1.0	.2	.1	.3	.6	1.3	.0	.7
60/64	.0	.0	.0	.0	.0	.2	.9	1.1	111	2.2	1.1	.9	*	*		*	.0	*	.0	
TOTAL	0	0	6	20	312	1530	2343	900	5111	100.0										
PCT	.0	.0	.1	.4		29.9	45.8	17.6			38.6	52.2	1.9	.3	.4	.9	1.5	2.9	.0	1.4

TABLE 15

	MEANS,	EXTREME	S AND	PERCEN	TILES	OF TE	MP (DE	G F) 8	Y HOUR		PERC	ENT FRE	QUENCY	OF RELA	TIVE H	UMIDITY	BY HOUR	
HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS	HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
60300	81	73	72	68	65	63	50	68.1	2510	00803	.0	.2	1.7	18.9	52.5	26.8	85	1254
90300	81	75	72	68	64	63	52	68.1	3512	06609	.0	.1	2.8	20.8	50.5	25.9	84	1292
12615	85	80	76	71	67	64	58	71.0	2573	12615	.0	1.4	12.1	42.4	36.3	7.9	78	1311
18821	87	80	76	70	66	64	55	70.6	3464	18821	.0	.4	8.0	37.0	44.1	10.5	80	1332
TOT	87	78	75	09	65	63	50	69.5	12059	TOT	0	26	322	1555	2373	913	82	5189

JUNE

PERIOD: (PRIMARY) 1922-1973 (OVER-ALL) 1855-1973

TABLE 17

AREA 0005 CENTRAL SPANISH SAHARA 24.7N 16.6W

									-					
PCT	FREQ	OF AI	R T	EMPER	ATURE VS AT	(DEG R-SEA	F) AN	D THE	OCCU E DIF	RRENCE FERENCE	OF FOG (WITHOU	JT PRECI	(NOITATI9
AIR-SEA	49	53	57	61	65	69	73	77	81	85	TOT		WO	
THP DIF	52	50	60	64	68	72	76	80	84	88		FDG	FOG	
17/19	.0	.0	.0	.0	.0		.0	.1	.0		6	.0	.1	
14/16	.0	.0	.0	.0		.0	.1	. 1	.1	.0	9	.1	.1	
11/13	.0	.0	.0		.1	.1	.2	.2	. 2		42		.7	
9/10	.0	.0	.0	.0		.1	.3	.5	. 1	.0	59		1.0	
7/8	.0	.0	.0	.1	.1	.5	1.1	.4	.1	.0	124	.2	2.0	
6	.0	.0		.0		.6	. 8	. 2		.0	103	.1	1.7	
5	.0	.0	.0		.4	1.6	1.4	.2	.0	.0	202	.1	3.4	
4	.0	.0	.1	.1	.9	2.9	1.6	.1		.0	331	.3	5.6	
3	.0	.0	.0	.1	1.6	3.8	1.4		.0	.0	388	.4	6.4	
2	.0	.1	.0	.3	3.5	6.2	1.2	.0		.0	642	.5	10.9	
1	.0	.0	.0	.3	7.4	9.2	. 8	.0	.0	.0	999	.7	16.9	
0	.0	.0	.0	.6	9.9	10.2	.4	.0		.0	1200	. 8	20.4	
-1	.0	.0	.0	.4	8.0	6.6	.1		.0	.0	856	.4	14.7	
-2	.0	.0		.4	4.2	2.0	.1	.0	.0	.0	376	.2	6.4	
-3	.0	.0		.2	1.7	1.0		.0	.0	.0	164	•1	2.8	
-4	*	.0	.0	.4	.9	.3		.0	.0	.0	94	.1	1.6	
-5	.0	.0	.0	.2	.3	.3		.0	.0	.0	45		. 8	
-6	.0	.0	.0	.1	.2		*	.0	.0	.0	19	*	.3	
-7/-8	.0	.0	.0	.1	.2		.0	.0	.0	.0	13	.0	.2	
-9/-10	.0	.0	.0	*	*	.0	.0	.0	.0	.0	2		*	
-11/-13	.0	.0	.0	.0		.0	.0	.0	. 7	.0	1	.0	*	
-14/-16	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	.0	*	
TOTAL	2		12		2246		539		25			218	5458	
		3		174		2575		97		3	5676			
PCT	*	• 1	.2	3.1	39.6	45.4	9.5	1.7	.4	•1	100.0	3.8	96.2	

PERIOD: (OVER-ALL) 1963-1973

				PC	T FREQ	OF WIND	SPEED	(KTS) AND DIRE	CTION	VERSUS S	SEA HEIG	HTS (FT)		
HGT	1-3	4-10	11-21	N 22-33	34-47	48+	PCT	1-3	4-10	11-21	NE 22-33	34-47	48+	PCT
<1	.4	1.7		.0	.0		2.2	.2	.8	.1	.0	.0	.0	1.1
1-2	.3	7.3	3.1	.0	.0	.0	10.8	:1	5.3	4.9	.0	.0	.0	10.3
3-4	.0	3.9	9.6	.5	.0	.0	14.0	.1	3.2	11.3	1.0	.0	.0	15.5
5-6	.0	.6	6.1	.6	.0	.0	7.3	.0	.7	9.6	1.7		.0	12.0
7	.0	.1	2.8	.8		.0	3.8	.0	.1	5.0	1.7		.0	6.8
8-9	.0	.1	1.3	.5	.0	.0	1.8	.0	.1	1.7	1.0	.0	.0	2.8
10-11	.0	.0	.2	.3	.0	.0	.5	.0	.0	.5	.5	.0	.0	1.1
12	.0	.0	.0		.0	.0		.0	.0	.0	.2		.0	.3
13-16	.0	.0		*	.0	.0	.1	.0	.0	.0		.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	•0	.0	.0	.0	.0	.0
TOT PCT	.8	13.7	23.1	2.8		.0	40.4	.4	10.2	33.1	6.1	.1	•0	49.9
HGT	1-3	4-10	11-21	E 22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.2		.0	.0	.0	.2		*	.0	.0	.0	.0	.1
1-2	.0	.2	.2	.0	.0	.0	.4		.2	.0	.0	.0	.0	.2
3-4	.0	.1	.3	.0	.0	.0	.5	.0	.0		.0	.0	.0	
5-6	.0		.2	.1	.0	.0	.3	.0	.0		.0	.0	.0	
7	.0	.0	.1	.0	.0	.0	.1	.0	.0	.0		.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	•0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	•0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	•0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	•0	.0
IUI PCT	.0	.6	.6	.1	.0	.0	1.4	.1	.2	.1		.0	.0	.4

									JUNE								
PERIOD:	(DAE	R-ALL)	1963-1	.973				TABLE	18 (CONT	,			AREA	24		SPANISH	SAHARA
				PC	T FREQ	OF WIND	SPEED	(KTS)	AND DIREC	TION	ERSUS S	EA HEIG	HTS (FT)			
				s								SW					
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT		
<1		.1	.0	.0	.0	.0	.1		.1	.1	.0	.0	.0	.0	.2		
1-2	.1	.3	.1	.0	.0	.0	. 5			.4	.1	.0	.0	.0	.5		
3-4	.0		.1	.0	•0	.0	.1		.0	.1	.1	.0	.0	.0			
5-6	.0		.1	.0	.0	.0	.1		.0		•1	.0	.0	.0	.1		
7	.0	.0	.0		.0	.0			.0	.0	.0	.0	.0	.0	.0		
8-9	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0			
10-11	.0	.0	.0		.0	.0			.0	.0	.0		.0	.0			
12	.0	.0	.0	.0	•0	.0	.0		.0	.0	.0	.0	.0	.0			
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0			
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0				
23-25	.0	.0	.0	.0	.0	.0	:0		.0	.0	.0	.0	.0	.0			
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0			
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0			
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0			
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0			
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0			
87+	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0			
TOT PCT	.1	.4	.3	-1	.0	.0	. 8		.1	.6	.2		.0	.0	1.0		
												NW				TOTAL	
HGT	1-3	4-10	11-21	22-33	34-47	49+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT	
<1	.1	.1		.0	.0	. 0	.2		.2	.3		.0	.0	.0	.5		
1-2	.0	.6	.2	.0	.0	.0	. 8		.1	1.1	.2	.0	.0	.0			
3-4	.0	.1	.1	.0	.0	.0	.2		.0	.5	.3	.0	.0	.0	.9		
5-6	.0		.1	.0	.0	.0	.1		.0	.1	.1		.0	.0			
7	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0			
8~9	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0			
10-11	.0	.0	.0	.0	.0	.0	.0		.0	•0	.0	.0	.0	.0			
12	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0			
13-16	.0	.0	.0	.0	.0	.0	.0		.0	•0	.0	.0	•0	.0			
17-19	.0	.0	.0	.0	.0	.0	.0		.0	•0	.0	.0	.0	.0			
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0			
26-32	.0	.0	.0	.0	.0	.0	.0		.0	•0	.0	.0	.0	.0			
33-40	.0		.0			.0			.0	.0				.0			
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0			
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0			
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0			
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0			
TOT PCT	.1	.9	.4	.0	.0	.0	1.3		.2	2.1	.7		.0	.0		98.1	

	WIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
					-			280
<1	3.2	3.5	.2	.0	.0	.0	6.9	
1-2	. 8	15.4	8.6	.0	.0	.0	24.7	
3-4	•1	7.8	21.7	1.5	.0	.0	31.1	
5-6	•0	1.6	16.1	2.3	*	.0	20.0	
7	.0	.3	7.9	2.5	*	.0	10.7	
8-9	•0	.2	3.0	1.4	.0	.0	4.6	
10-11	•0	.0	.7	.8	.0	.0	1.6	
12	•0	.0	.0	.3		.0	.3	
13-16	.0	.0	*		.0	.0	.1	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	•0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	•0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	•0	.0	.0	.0	.0	.0	.0	
61-70		.0	.0	.0	.0	.0	.0	
71-86	•0	.0	.0	.0	:0	.0	:0	
87+	•0							
0/+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	4.0	28.7	58.2	9.0	.1		100.0	3452
	T. 0	6001	20.6	7.0			***	

PERIO	D: (DY	ER-ALL	1 194	9-197	3				TABLE 1	19											
					PERCENT	FRE	DUENCY D	- WA	VE HEIGH	IT (F	1) ys	MAVE PI	ERIOD	SECON	15)						
(SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16 1	7-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN
6-7	1.3	8.1	11.4	7.8	6.3	3.4	1.5	• 2	:0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1459	6
8-9	.0	.3	1.8	3.4	3.4	1.9	.7	•2	:1	.0	.0	.0	.0		.0	.0	.0	.0	.0	490 171	6
12-13 >13	.0	.0	.7	•3	.2	.2	.2		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	62	5
INDET	2.1	4.0	1095	3.7	3.3	1.0	171	•0	119	.0	•0	•0	•0		.0	.0	.0	•0	.0	880	*
PCT	3.4	13.6	26.4	24.3	18.0	8.6		1.0	.5		.0	•0	.0	.0	.0	.0	.0	.0	•0	100.0	

JULY

PERIOD: (PRIMARY) 1922-1973 (OVER-ALL) 1858-1973

TABLE 1

AREA 0005 CENTRAL SPANISH SAHARA
24.7N 16.6W

PERCENT FREG	UENCY OF	WEATHER	DCCURRENCE	BY	WIND	DIRECTION
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					Lucen				DCCONKENCE		ND OIN	ECTION			
			P	RECIP	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE		
N NE			:0	:0	.0	.0	.0	:12		:2	7.8	.0	12.4	1:6	77.9
NE			.1	.0	.0	.0		.2		.2	5.6		8.5	1.4	84.1
E	.8	.0	.0	.0	.0	.0	.0	.8	.0	.0	4.2	.0	10.3	1.1	83.6
SE	.0	.0	.0	.0	.0	.0	.0	.0	•0	.0	21.2	.0	18.2	.0	60.6
E SE S	.0	.0	.0	.0	.0		.0	.0	.0	.0	6.2	.0	6.2	3.1	84.5
SW	.0	1.9	.0	.0	.0		.0	1.9	.0	3.8	17.0	7.5	1.9	.9	67.0
W	.0	2.3	.0	.0	.0	•0	.0	2.3	• • • •	.0	9.2	9.2	14.9	.0	64.4
NW	.0	.0	.6	.0	.0	.0	.0	.6	.0	.3	16.7	.0	11.6	1.8	68.9
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.8	.0	.0	.0	.0		.0	1.8	1.8	1.8	30.9	3.6	9.1	.0	50.9
TOT PCT	6817		.1	.0	.0	.0		.2		.2	7.1	.1	10.3	1.5	80.7

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCUPRENCE BY HOUR

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHENO	HENA	
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	FUG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	NO SIG WEA
00603 06609 12615 18621	.0 .2 .1	.1 .1 .0	.1 .2 .1	.0	.0	•0	.0	:1 :5 :1	.1 .0 .1	.5	5.8 7.1 7.9 7.9	.1 .2 .1	9.1 7.3 11.5 13.0	1.6 1.2 1.5 1.7	82.7 83.6 78.9 77.2
TOT PCT	6891	•	.1	.0	.0	•0		.2		.2	7.2	.1	10.2	1.5	80.5

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		WI	ID SPE	ED (KN	DTS)								HOUR	(GMT)			
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	FREQ	MEAN	00	03	06	09	12	15	18	21
N NE	:5	8.7	22.2	4.6	:1	.0		36.1 58.1	14.7	39.5	45.7	34.8	28.5	33.4	45.3	39.7 55.4	35.0
•		.8	1.2	.2		.0		2.2	13.3	1.8	1.6	2.8	3.8	2.3	1.1	1.4	2.1
SE		.1	.1		.0	.0		.2	12.3	.3	1.3	.4	.1	.1	.0	.1	
S	.1	.1	.1			.0		.3	10.5	.4	.0	.3	.2	.2	.0	.3	.1
SW		.2	.1		.0	.0		.2	9.5	.4	.0	.1	.2	.4	.0	.2	
W	.1	.2			.0	.0		.3	5.7	.3	.0	.4	.2	.2	.0	.2	.4
NW	.2	1.0	.6	.1	.0	.0		1.8	9.8	2.0	.6	2.1	1.4	1.9	.3	2.0	1.4
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.7							.7	.0	.8	.0	.6	.6	1.0	1.3	.7	.6
TOT DBS	252	2676	7934	1871	28	0	12761		15.2	2499	158	2452	1164	2654	160	2544	1130
TOT PCT	2.0	21.0	62.2	14.7	.2	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WND DIR	0-6	7-16	SPEED 17-27	(KNOTS) 28-40	41+	TOTAL ORS	PCT	MEAN SPD	00	06 09	12 15	18 21
N NE	2.7	19.2	13.4	1.8	:		36.1 58.1	14.7	39.9 54.3	32.8	34.0	38.2
E	.3	1.2	.7	.1	.0		2.2	13.3	1.8	3.1	2.2	1.6
SE	.1	.1			.0		.2	12.3	.4	.3	.1	.1
S	.1	.1	.1		.0		.3	10.5	.4	.3	.2	.3
SW	.1	.1			.0		.2	9.5	.4	.1	.3	.2
W	.2			.0	.0		.3	5.7	.3	.4	.2	.2
NW	.6	1.0	.2	*	.0		1.8	9.8	1.9	1.8	1.8	1.8
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	.7						.7	.0	.7	.6	1.0	.7
TOT OBS	913	6245	5260	340	3	12761		15.2	2657	3616	2814	3674
TOT PCT	7.2	48.9	41.2	2.7			100.0		100.0	100.0	100.0	100.0

PERIOD:	(PRIMARY)	1922-1973
	LOVED -ALLA	1060-1072

TABLE 4

AREA 0005 CENTRAL SPANISH SAHARA 24.7N 16.6W

ERCENTAGE	EDECHENCY	DE	WIND	CPEED	RY	HUILB	(CMT)

					SPEED (PCT	TOTAL
HOUR	CALM	1-3	4-10	11-21	22-33	34-47	48+	MEAN	FREQ	OBS
00000		1 2	20.4		100			1 . 2	100 0	2657
60300	. 1	1.3	20.6	61.2	15.8	.3	.0	15.3	100.0	
90300	.6	1.5	22.4	62.0	13.2	.3	.0	14.8	100.0	3616
12615	1.0	1.1	19.8	62.2	15.8	.1	.0	15.3	100.0	2814
18621	.7	1.1	20.7	63.1	14.4	.2	.0	15.2	100.0	3674
TOT	93	159	2676	7934	1871	28	0	15.2		12761
PCT	.7	1.2	21.0	62.2	14.7	.2	.0		100.0	

TABLE 5

TABLE 6

P	CT FRE			LOUD A		(ETGHTHS)							CEILIN NH <5/					
WND DIR	0-2	3-4	5-7	8 & 085CD	TOTAL	CLOUD COVER	000 149	150 299	300 599	600 999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	
N	24.7	4.3	7.3	7,3		2.9	.2	.1	.5	1.6	3.5	3.0	1.3	.4	.5	.8	31.7	
NE	24.3	6.0	11.7	9.1		3.4	.1	*	.5	2.2	5.9	4.5	2.0	.7	.3	1.1	33.6	
E	.5	.2	.3	.2		3.7	.0	.0		*	.1	.1	.1	.0	.1		.7	
SE	.1			.1		5.1		.0	.0	.0	*		.0	.0	.0	.0	.1	
S	.2	.1	.1			2.8	.0	.0	.0		.1	*	.0	.0	.0		.3	
SW	. 2		.1			2.5	.0	.0	.0					.0	.0		.3	
	.1		.1	.1		5.3		.0			.1	.0		.0	.0	.0	.1	
NW	1.2	.1	.4	.6		3.3		*		.2	.3	.2					1.5	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	. 4		.1	. 3		3.9	.1	.0			.1	.1		.0	.0	.0	.5	
TOT DBS	2880	605	1113	989	5587	3.2	29	0	59	225	557	436	195	66	47	114	3850	5587
TOT PCT	51.5	10.8	19.9	17.7	100.0		.5	.2	1.1	4.0	10.0	7.8	3.5	1.2	.8	2.0	68.9	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NM >4/8) AND VSBY (NM)

					VSBY (NM	1			
	EILING FEET)	- DR >10	• DR >5	• DR >2	= DR >1	= nR >1/2	* DR >1/4	- OR >50YD	- DR >0
. 08	>6500	.9	2.5	2.9	2.9	2.9	2.9	2.9	2.9
· DR	>5000	1.6	3.7	4.0	4.1	4.1	4.1	4.1	4.1
. OR	>3500	3.7	6.8	7.5	7.5	7.5	7.5	7.6	7.6
. OR	>2000	7.6	14.0	15.2	15.3	15.3	15.3	15.4	15.4
. DR	>1000	12.9	23.3	25.1	25.2	25.2	25.2	25.3	25.3
	>600	14.5	26.8	29.1	29.2	29.2	29.3	29.3	29.3
. 08	>300	14.8	27.7	30.2	30.3	30.3	30.4	30.4	30.4
	>150	14.9	27.8	30.4	30.4	30.5	30.5	30.6	30.6
	> 0	14.9	28.0	30.8	30.9	30.9	31.0	31.1	31.1
	TOTAL	829	1562	1720	1724	1727	1731	1733	1734

TOTAL NUMBER OF OBS: 5581

PCT FREQ NH <5/8: 68.9

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	DBSCD	OBS
40.8	8.7	7 6	5.7	5.3	4.0	6.0	7.4	14.1	5	5872

		,	ERCENT	PREC	OF WIND	DIREC	H VARY	ING V	ALUES	F VIS	IBILIT	URRENC	E OF
YSBY (NM)		N	NE	E	SE	5	SW	W	NW	VAR	CALM	PCT	TOTAL
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
(1/2	NO PCP			.0	.0	.0			.0	.0		.1	
	TOT &			.0	.0	.0			.0	.0		.1	
	PCP	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0		
1/2<1	NO PCP	.3	.9			.0	.0	.0	.1	.0		1.4	
	TOT %	.4	.9			.0	.0	:0	.1	.0		1.4	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	NO PCP	.6	.7		.0	.0		.0		.0		1.4	
	TOT \$.6	.7		.0	.0		.0		.0		1.4	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0			
<5	NO PCP	4.3	3.2	.1		.1	.1	.1	.4	.0	.3	8.5	
	TOT %	4.3	3.2	:1	•	.1	•1	.1	.4	.0	.3	8.5	
	PCP		.1		.0	.0				.0	.0	.1	
<10	NO PCP	18.9	22.1	.6		.1	.1	.2	1.0	.0	.3	43.4	
	TOT %	18.9	22.2	.6		.1	.1	.2	1.0	.0	.3	43.5	
	PCP	.0		.0	.0	.0	.0	.0	.0	.0	.0		
10+	NO PCP	18.0	25.1	.6	.1	:1	.1	*	. 8	.0	.1	45.1	
	TOT %	18.0	25.1	.6	•1	.1	.1		. 8	.0	.1	45.1	
	TOT OBS												6779
	TOT PCT	42.2	52.1	1 2		4	4	3	2.2	- 0		100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED

					WITH VA	RYING	VALUES	OF V	ISIBIL	ITY			
VSBY (NM)	SPD	N	NE	E	SE	s	SW	W	NW	VAR	CALM	PCT	TOTAL
	0-3	.0	.0	.0	.0			.0	.0	.0			
<1/2	4-10			.0	.0	.0	*		.0	.0		.1	
	11-21			.0	.0	.0	.0	.0	.0	.0			
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %			.0	.0			*	.0	.0		.1	
	0-3	.0	.0	.0		.0	.0	.0		.0		.2	
1/2<1	4-10	.1	.1		*	.0	.0	.0		.0		.2	
	11-21	.2	.5		.0	.0	.0	.0		.0		.7	
	22+		.1	.0	.0	.0	.0	.0	.0	.0		.1	
	TOT \$.3	.7			.0	.0	.0	.1	.0		1.0	
	0-3				.0	.0	.0	.0	.0	.0		.1	
1<2	4-10	.1	.1	.0	.0	.0		.0	.0	.0		.2	
	11-21	.3	.5		.0	.0	.0	.0		.0		.8	
	22+	:1	.6	.0	.0	.0	.0	.0	.0	0		.1	
	TOT %	.5	.6	•	.0	.0	•	.0		0		1.2	
	0-3	.1		.0	.0					.0	.2	.4	
2<5	4-10	1.0	.5	.1		*	*		.2	.0		1.8	
	11-21	2.1	2.0	.1				.0	.1	.0		4.3	
	22+	.7	.8			.0	.0	*	*	.0		1.5	
	TOT \$	3.9	3.3	.1		.1	.1	.1	.3	.0	.2	8.0	
	0-3	.2	.1		.0			.1	.1	.0	.2	.8	
5<10		3.5	2.7	. 2	.0		.1	.1	.5	.0		7.2	
	11-21	10.7	14.4	.3	.0	.1			.2	.0		25.8	
	22+ TOT \$	2.5	4.8	.1	:	.0		*	.1	.0		7.5	
	TUT &	17.0	22.1	.6	•	•1	.1	.1	.9	.0	.2	41.2	
10+	0-3 4-10	2	5,1		.0	.0	.0		.1	.0	.2	6	
10+	11-21	10.9	19.4	.3	.1	.1	•1	:	:3	.0		10.5	
	22+	1.9	14.4	.4	•1	.1		.0		.0			
	TOT %	17.6	28.7	.7	.0	.1	.1	.0		.0		48.3	
		17.0	20.1	.,	.1	••	•1			.0	.2	40.3	
	TOT OBS	39.3	55,3	1.5	.2	.3	.3	.3	2.0	.0	.7	100.0	9414

AREA 0005 CENTRAL SPANISH SAHARA 24.7N 16.6W

TABLE 10

PERCENT FREQUENCY OF CEILING HFIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000	150 299	300 599	999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TDTAL DBS	
60300	.8	.1	.6	3.0	6.5	5.1	1.7	.6	.6	.9	19.9	80.1	1399	
06609	.4	.3	2.0	5.7	16.8	13.0	6.0	1.6	1.1	2.9	49.7	50.3	1367	
12615	.5	.2	1.2	5.0	10.6	8.7	4.7	1.8	.9	2.5	36.0	64.0	1521	
18621	.3	.1	.5	2.1	5.3	4.2	1.3	.6	.7	1.7	16.8	83.2	1460	
TOT	30	10	60	227	559	443	196	66	47	115	1753	3994	5747	

TABLE 11

TABLE 12

		PERCENT	FREQUEN	CY VSBY	(NM)	BY HOUR		CUMULAT	TVE PCT	FREQ IG HGT	OF RAN	GES OF NH >4/8	VSBY (NM)	AND/OR
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00603	.1	.1	.8	6.6	39.3	52.5	2120	00603	.7	1.6	10.6	15.1	74.3	1348
06609	•2	1.1	.9	7.3	43.0	47.5	2526	90360	.4	2.9	16.4	39.3	44.3	1323
12615	.2	1.0	1.3	9.7	40.3	47.5	2245	12615	.5	2.4	17.1	26.6	56.3	1485
18621	.1	1.5	1.9	8.6	41.8	46.0	2597	18621	.4	1.0	13.1	12.7	74.2	1425
TOT	15	104	117	766 8.1	3911	4575	9488	TOT	28	109	801	1300	3480 62.4	5581 100.0

TABLE 13

TABLE 14

						•														
	PERC	ENT FR	EQUENC	Y OF R	ELATIV	E HUMI	DITY 8	Y TEMP				PERC	ENT FRE	QUENCY	OF W1	ND DIR	ECTIO	N BY T	EMP	
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	OBS	FREQ	N	NE	E	SE	s	SW	W	NW	VAR	CALM
85/89	.0	.0	.0		.0	.0	.0	.0	1				.0	.0	.0	.0	.0	.0	.0	.0
80/84	.0	.0	.0	.1	.2	.1	.1	.0	26	.5	.2	.2	*	*		.0	.0	*	.0	.0
75/79	.0	.0		.1	.9	3.4	2.1	.5	382	7.0	3.3	3.3	.1	.0	*	.1		.2	.0	*
70/74		.0	.0	.1	1.2	12.9	29.0	13.8	3116	57.0	23.8	30.2	.7	.1	.1	.1	.2	1.4	.0	.3
65/69	.0	.0	.0	.0		2.1	20.0	13.2	1933	35.3	14.9	19.0	.5	.1	.1	.1	.1	.4	.0	.1
60/64	.0	.0	.0	.0	.0		.1	.1	13	.2	.1	.1	*	.0	.0	.0	.0		.0	.0
TOTAL	1	0	2	11	124	1016	2806	1511	5471	100.0										
PCT		.0		.2	2.3	18.6	51.3	27.6	-		42.3	52.9	1.4	.2	.3	.3	.3	2.0	.0	.4

T. ...

	MEANS,	EXTREM	ES AND	PERCEN	TILES	OF TE	MP (DE	G F) B	Y HOUR		PERC	ENT FRE	QUENCY	OF RELA	TIVE H	YTIGIMU	BY HOUR	1
HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS	HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
00603	83	75	73	70	67	65	57	69.7	2667 3603	00603	.1	.1	.0	7.7	50.2	42.0	88	1368
12615	86	81	78	72	68	66	54	72.6	2746	12615	.0	.4	4.7	30.6	50.2	14.1	82	1414
18621 TOT	90	81	78 76	72	68	65	61	72.1	3609 12625	18621 TOT	.0	13	127	1023	52.6 2824	1531	83 85	1399 5519

JULY

PERIOD: (PRIMARY) 1922-1973 (OVER-ALL) 1858-1973

TABLE 17

AREA 0005 CENTRAL SPANISH SAHARA 24.7N 16.6W

PCT FKEQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

			.2	MIK-	SEA !	CH. ENW	LIONE	DILLE	Fuce	ADEO		
AIR-SEA	53	57	61	65	69	73	77	81	85	TOT	W	WD
THP DIF	56	60	64	68	72	76	80	84	88		FDG	FOG
20/22	.0	.0	.0	.0	.0	.0	.0	.0		1	.0	
17/19	.0	.0	.0	.0	.0	.0			.0	2	.0	
14/16	.0	.0	.0	.0	.0	.0			*	6		.1
11/13	.0	.0	.0	.0			.2	.2	.0	24	.1	.1
9/10	.0	.0	.0	.0	.1	.4	.4	.1	.0	58	.1	.9
7/8	.0	.0	.0		.3	1.0	.9		.0	137	.3	1.9
6	.0	.0	.0		.5	.9	.4	.0	.0	116	.2	1.7
5	.0	.0	.0	.2	1.5	2.2	.4		.0	266	.5	3.8
4	.0	.0		.5	2.8	2.9	.4	.0	.0	406	.5	6.1
3	.0	.0	.0	1.0	4.0	2.9	.3			544	.7	8.1
2	.0	.0	.1	2.8	8.4	3.5	.1		.0	916	1.3	13.5
1	.0	.0		4.2	13.3	3.1	.1	.0	.0	1279	1.4	19.3
0	.0	.0	.1	4.4	12.4	1.8				1155	1.2	17.5
-1	.0	.0		2.1	7.3	.5		.0	.0	619	.7	9.3
-2	.0	.0	.2	1.4	3.6	.3	.0	.0	.0	331	.3	5.0
-3	.0	.0		.6	1.1	.2	.0	.0	.0	115		1.8
-4	.0	.0	.1	.5	.7	.1	.0	.0	.0	83	.1	1.2
-5	.0	.0		.4	.3	.1	.0	.0	.0	51	.1	.7
-6	.0	.0		.1	.2		.0	.0	.0	23	.0	.4
-7/-8	.0			.1	.2	.0	.0	.0	.0	23		.3
-9/-10	.0	.0	.1	.1		.0	.0	.0	.0	9		.1
-11/-13	.0	.0	.1			.0	.0	.0	.0	6		.1
-14/-16	*	.0			.0	.0	.0	.0	.0	3	.0	
TOTAL	1		48		3531		203		5		470	5703
		2		1133	-	1219		31		6173		2.7.5
PCT	*		.8		57.2	19.7	3.3	.5	.1	100.0	7.6	92.4

PERIOD: (DVER-ALL) 1963-1973

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

				N							NE			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	.7	.3	.0	.0	.0	1.3	.0	.5	.1	.0	.0	.0	.7
1-2	.2	4.2	3.2	.0	.0	.0	7.6	.1	3.1	3.6	.0	.0	.0	6.8
3-4	.0	2.7	9.9	.9	.0	.0	13.6	.0	2.2	10.8	1.4	.0	.0	14.4
5-6	.1	.5	8.6	1.3	.0	.0	10.4	.0	.7	11.1	3.2	.0	.0	15.0
7	.0	.1	4.2	2.1		.0	6.4	.0		4.7	3.2	*	.0	7.9
8-9	.0	.0	1.2	1.4		.0	2.6	.0	.0	1.7	1.6		.0	3.3
10-11	.0	.0	.5	.8	*	.0	1.3	.0		.9	1.2	*	.0	2.2
12	.0		.1	.1		.0	.3	.0	*	.1	.4	*	.0	.6
13-16	.0	.0		.1		.0	.2	.0	.0		.3		.0	.3
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	*
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.5	8.3	28.1	6.6	•1	.0	43.7	•1	6.6	33.2	11.3	.1	•0	51.2
				E							SE 22-33			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	- 48+	PCT
<1	.0		.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
1-2	.0	.2		.0	.0	.0	.2	.0	.1		.0	.0	.0	.1
3-4	.0	.1	.3	.0	.0	.0	.3	.0		*	.0	.0	.0	
5-6	.0	.1	.1		.0	.0	.2	.0			.0	.0	.0	
7	.0	.0	.1	.0	.0	.0	.1	.0	.0	.0	.1	.0	.0	.1
8-9	.0	.0			.0	.0		.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	-0	.0
17-19	.0	.0	.0		•0	.0		.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.4	.4	.1	.0	.0	.9	.0	.1	.1	.1	.0	.0	.3

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PERIOD: (OVER-ALL) 1963-1973

TABLE 18 (CONT)

AREA 0005 CENTRAL SPANISH SAHARA 24.7N 16.6M

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS	CETI

				s							SW				
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1-2	.0			.0	.0	.0		.0	.2		.0	.0	.0	.2	
3-4	.0	.0	.1	.0	.0	.0	.1	.0	.0		.0	.0	.0		
5-6	.0	.0		.0	.0	.0		.0	.0		.0	.0	.0		
7	.0			.0	.0	.0	.1	.0				.0	.0	.1	
8-9	.0		.0	.0	.0	.0		.0		.0	.0	.0	.0		
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	:	.3	.0		
12	.0	.0	.0		.0	.0		.0	.0	.0		.0	.0		
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	•0	.0	.0	.0	•0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	•0	.0	.0	.0	.0	.0	
TOT PCT	.0	.1	.2		.0	.0	.3	.0	•2	.1	•	.0	•0	.3	
											NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.0	.1	.0	.0	.0	.0	.1		.1		.0	.0	.0	.1	
1-2	.1	.1	.0	.0	.0	.0	.1		.4	- 1	.0	.0	.0	.5	
3-4	.0		.0	.0	.0	.0		.0	.2	.2	.1	.0	.0	.5	
5-6	.0	.0		.0	.0	.0		.0		.2	*	.0	.0	.3	
7	.0	.0	.0	.0	.0	.0	.0	.0	.0		.1	.0	.0	. 1	
8-9	.0	• 0	.0		.0	.0		.0	.0	.1	*	.0	.0	.1	
10-11	.0	.0	.0		.0	.0		.0	.0	.0		.0	• 0		
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+ TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	•0	.7	.0	.0	.0	1.7	98.7
	.1														

WIND SPEED (KTS) VS SEA HEIGHT (FT)

	w I MD	SECED	(413)	A2 3EM	WELDHI	1111		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	1.8	1.5	.4	.0	.0	.0	3.7	OBS
1-2	.4	8.4	6.9	.0	.0	.0	15.7	
3-4		5.2	21.3	2.3		.0	28.9	
5-6	.1	1.2	20.1	4.5		.0	25.9	
7	.0	.2	9.1	5.4		.0	14.7	
8-9	•0		3.0	3.0		.0	6.1	
10-11	.0		1.4	2.0		.0	3.5	
12	•0		.2	.6		.0	. 9	
13-16	.0	.0	.1	.4		.0	.5	
17-19	.0	.0	.0		.0	.0		
20-22	•0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0		.0	.0	
26-32	.0	.0	.0	.0		.0	.0	
33-40	•0	.0	.0	.0		.0	.0	
41-48	•0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0		.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0		.0	.0	
								3694
THT PCT	2.2	14.4	62.5	18.4	2	- 0	100.0	

PERIOD: (QVER-ALL) 1949-1973

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

(SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	HEAN
<6	.4	4.2	9.2	7.9	3.7	1.8	1.0	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1298	5
6-7	.0	.6	4.2	9.1	8.0	4.7	1.9	.4	.3		.0	.0	.0	.0	.0	.0	.0	.0	.0	1316	6
8-9	.0	.2	1.0	3.2	4.1	3.7	1.9	.5	.6		.0	.0	.0	.0	.0	.0	.0	.0	.0	688	7
10-11	.0	.1	.3	.6	1.2	1.5	. 8	.2	.1		.0	.0	.0	.0	.0	.0	.0	.0	.0	226	8
12-13	.0	.0	. 8	.4	.4	.3	.7	• 1	.3		.0	.0	.0	.0	.0	.0	.0	.0	.0	139	7
>13	.0	.0	.0	.2	.3	.1	.1	.1		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	35	8
INDET	1.0	2.2	4.7	3.4	3.3	1.6	1.0	.4	.2		.0	.0	.0	.0	.0	.0	.0	.0	.0	797	5
TOTAL	61	328	910	1121	949	615	335	94	78	8	0	0	0	0	0	0	0	0	0	4499	6
PCT	1.4	7.3	20.2	24.9	21.1	13.7	7-4	2.1	1.7	. 2	-0	- 0	-0	-0	-0	-0	.0	.0	-0	100.0	

PERIOD: (PRIMARY) 1922-1973 (OVER-ALL) 1854-1973

TABLE 1

AREA 0005 CENTRAL SPANISH SAHARA 24.7N 16.5W

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHENO	MENA	
WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT	PCPN PAST HOUR	THDR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLMG DUST BLMG SNOW	NO SIG WEA
N NE		.0		.0	.0	.0	.0		•1	.5	6.7	:	7.8	.9	84.0
	.1	•	• •			•0		.2				•	6.1		
E SE	.0	.4	.4	.0	.0	• 0	.0	.8	1.6	. 8	4.5	.0	6.9	.6	84.8
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.9	.0	.0	2.2	.0	88.9
S	2.4	2.4	.0	.0	.0	.0	.0	4.7	1.8	2.4	5.3	.0	3.5	.0	82.4
SW	.0	.0	.0	.0	.0	•0	.0	.0	.9	.0	6.4	.0	.9	.0	91.7
×	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	8.5	.0	9.6	.0	81.9
NW	.9	.0	.0	.0	.0	•0	.0	.9	.2	1.1	11.1	1.7	4.4	.9	79.7
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.0	.0	13.3	.0	76.7
TOT PCT TOT DBS:	7062	•	.1	.0	.0	•0	.0	.2	.1	.5	5,9	.1	6.9	.9	85.5

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			,	RECIPI	IATIU	N ITPE					DIHEK	WEATHER	PHENU	MENA	
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG	SNOM	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	FOG WD PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	NO SIG WEA
00603	.1	.1	.1	.0	.0	•0	.0	.2	.3	1.2	4.5	.1	5.4	.8	87.6
90330	.2	•1	.0	.0	.0	•0	.0	.2	•1	• !	5.7	• 1	5.5		87.1
12615	.1	.0	.2	.0	.0	• 0	.0	.2	.0	.1	5.8	.1	7.2		85.4
18621	.1	•0	.0	.0	.0	•0	•0	.1	.0	.3	7.6	.1	9.2	.8	82.0
TOT PCT	7163		.1	.0	.0	•0	•0	.2	•1	.5	5.9	•1	6.9	.9	85.4

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WND DIR	0-3			ED (KNI 22-33		48+	TOTAL	PCT	MEAN	00	03	06	HOUR 09	(GMT) 12	15	18	21	
							DBS	FREQ	SPD									
N	.4	10.0	20.5	3.9	.1	.0		34.9	14.2	37.1	43.0	34.5	25.2	33.6	41.2	38.6	32.7	
NE	.4	12.5	37.3	8.3	.1	.0		58.6	15.2	56.1	49.7	58.2	66.9	59.9	54.1	56.2	61.5	
E	.1	1.0	1.4	.2		.0		2.8	12.8	2.7	3.9	3.2	4.5	3.1	2.0	1.8	2.2	
SE	.1	.1			.0	.0		.3	8.4	.4	.2	.3	.3	.3	.0	. 2	.2	
S	.1	.2	.1		.0	.0		.4	10.6	.4	1.1	.4	.1	.4	.0	. 5	. 3	
SW	.1	.1	.1		.0	.0		.3	9.2	.4	.2	.3	.1	.4	.0	.3	.0	
	• •							-										
	.1	.2	.1		.0	.0		.3	6.9	.2	.6	.4	.5	.4	.0	.3	.3	
NW	.1	1.0	.5	*	.0	.0		1.7	9.2	1.9	1.4	1.7	1.8	1.2	2.2	1.7	1.9	
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.8							. 8	.0	.9	.0	.9	.8	. 8	.5	.5	.9	
TOT OBS	270	3286	7852	1627	25	0	13060		14.5	2564	160	2486	1166	2713	184	2621	1166	
TOT PCT	2.1	25.2	60.1	12.5	.2	.0		100.0		100.0			100.0					

WND DIR	0-6	#IND 7-16	SPEED 17-27	(KNOTS) 28-40	41+	TOTAL	PCT	MEAN SPD	00	HDU1 06 09	12 15		
N NE	3.0	19.1	12.2	1.5	.0		34.9	14.2	37.4 55.7	31.5	34.0	36.8 57.8	
E	.4	1.5	. 8		.0		2.8	12.8	2.8	3.6	3.0	1.9	
SE	.1	.1		.0	.0		.3	8.4	.3	.3	.3	.2	
5	.2	.1	.1		.0		.4	10.6	.5	.3	.4	.4	
SW	.1	.1		.0	.0		.3	9.2	.3	.3	.3	.2	
W	.2	.1		.0	.0		.3	6.9	.3	.4	.4	.3	
NW	.6	.9	.2		.0		1.7	9.2	1.8	1.8	1.3	1.8	
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	
CALM	.8						. 8	.0	.8	. 8	. 8	.6	
TOT DBS	1109	6789	4910	252	0	13060		14.5	2724	3652	2897	3787	
TOT PCT	8.5	52.0	37.6	1.9	.0		100.0		100.0	100.0	100.0	100.0	

PERIOD: (PRIMARY) 1922-1973 (OVER-ALL) 1854-1973 AREA 0005 CENTRAL SPANISH SAHARA
24.7N 16.5W

			TABLE	E 4				
PERCENTAGE	FREQUENCY	OF	WIND	SPEED	BY	HOUR	(GHT)	

				HIND	SPEED (KNOTE			PCT	TOTAL
HOUR	CALM	1-3	4-10			34-47	48+	MEAN	FREQ	DBS
00603	.8	1.1	25.0	60.4	12.7	.1	.0	14.6	100.0	2724
06609	.8	1.6	26.0	58.7	12.6	.3	.0	14.3	100.0	3652
12615	. 8	1.4	25.0	59.7	13.0	.2	.0	14.5	100.0	2897
18621	.6	1.1	24.6	61.7	11.8	.2	.0	14.6	100.0	3787
TOT	100	170	3286	7852	1627	25	0	14.5		13060
PCT	- 8	1.3	25 2	60-1	12.5	. 2	.0		100-0	

TABLE 5

TABLE 6

,	CT FRE			LOUD A		EIGHTHS)							CEILIN NH <5/					
WND DIR	0-2	3-4	5-7	8 & 085CD	TOTAL	CLOUD COVER	000 149	150 299	300 599	600 999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	27.5	4.9	6.8	4.2		2.3	.1	.1	.2	1.0	2.7	2.8	1.1	.3	.2	.7	34.3	
NE	27.4	7.0	10.6	6.1		3.0	.2	*	.2	1.9	4.1	3.7	1.8	.6	.2	.7	37.7	
E	.7	.3	.3	.2		3.4		.0		*	.2	.1	*	*	.0		1.0	
SE	.1					2.6	.0	.0		.0		.0		.0	.0	.0	.1	
5	. 4		.1	.1		2.1	.0	.0	.0	*	.0	.1	*	.0	.0	.0	.5	
SW	. 3		.1			2.3		.0	.0	.0	.0	*		.0	.0	.0	.4	
	.1	.1	.1			2.8	.0	.0	.0	.0		.0	.0	*	.0	.0	.2	
NW	1.2	.2	.2	.1		1.7	.0	.0		.0	*			.0		.0	1.5	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.6		.2	1		2.4	,1	.0	.0	.0	.1	.1	.0	.0	.0	.1	.6	
TOT OBS	3368	728	1055	626	5777	2.7	24	4	31	171	413	394	177	51	21	86	4405	5777
TOT PCT	58.3	12.6	18.3	10.8	100.0		.4	.1	.5	3.0	7.1	6.8	3.1	.9	.4	1.5	76.3	100.0

TABLE 7

CUMULATIVE PO	T FREQ	OF	SIMULTANFO	JS	DECURRENCE
OF CETLING	HEIGHT	CNE	1 34/81 AND	V	SRY (NM)

				VSBY INM)			
CEILING	= OR	= OR	- DR	= DR	. nR	- DR	· OR	- OR
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
- DR >6500	.6	1.5	1.9	1.9	1.9	1.9	1.9	1.9
■ DR >5000	1.2	2.4	2.8	2.8	2.8	2.8	2.8	2.8
■ DR >3500	3.0	5.1	5.8	5.8	5.8	5.8	5.8	5.8
■ DR >2000	6.4	11.2	12.6	12.6	12.7	12.7	12.7	12.7
- DR >1000	10.7	17.9	19.7	19.7	19.8	19.8	19.8	19.8
■ DR >600	12.2	20.6	22.6	22.7	22.7	22.7	22.7	22.7
■ DR >300	12.5	21.1	23.2	23.2	23.3	23.3	23.3	23.3
. OR >150	12.5	21.1	23.2	23.3	23.3	23.3	23.3	23.3
. OR > 0	12.5	21.2	23.5	23.6	23.7	23.7	23.7	23.7
TOTAL	730	1236	1369	1374	1378	1380	1382	1382

TOTAL NUMBER OF OBS: 5826

PCT FREQ NH <5/8: 76.3

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

										TOTAL
0	1	2	3	4	5	6	7	8	DBSCD	DBS
43.9	11.3	8.3	6.6	5.2	4.4	5.1	6.1	8.8	.4	6121

PERIOD: (PRIMARY) 1922-1973 (OVER-ALL) 1854-1973

TABLE 8

AREA 0005 CENTRAL SPANISH SAHARA 24.7N 16.5W

0 3

		P	PERCENT	PRECI	F WIND	DIRECTOR WIT	TION V H VARY	ING V	IRRENCE ALUES	F VIS	IBILI	CURRENC	E OF
VSBY (NM)		N	NE	F	SE	5	SW	W	NW	VAR	CALM	PCT	TOTAL
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
(1/2	NO PCP			.0	.0	.0	.0		.0	.0	*	.1	
	101 %	*		.0	.0	.0	.0		.0	.0	*	.1	
	PCP	.0		.0	.0	.0	.0	.0	.0	.0	.0	*	
1/2<1		1.1	1.2		.0	*	*	.0	*	.0	*	2.4	
	Tot %	1.1	1.3		.0	*	*	.0		.0	*	2.5	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	NO PCP	.4	. 8		.0	.0	.0	*		.0	.0	1.2	
	TOT %	.4	. 8		.0	.0	.0		*	.0	.0	1.2	
	PCP	.0		:0	.0	.0	.0	.0	.0	.0	.0		
2<5	NO PCP	3.0	2.7	.1	.0	*	*		. 2	.0	.1	6.2	
	TOT %	3.0	2.8	.1	.0		*		• 2	.0	. 1	6.2	
	PCP	.0	.1		.0		.0	.0		.0	.0	.1	
5<10	NO PCP	15.0	18.8	.7	.1	.2	.1	.1	.5	.0	.3	35.8	
	TOT %	15.0	18.8	.7	.1	.2	. 1	.1	.5	.0	.3	35.9	
	PCP	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	*	
10+	NO PCP	22.6	28.5	. 0	.1	.3	.3	:1	.9	.0	.4	54.1	
	TOT %	22.6	28.5	.9	• 1	.3	.3	-1	.9	.0	.4	54.2	
	TOT DBS												7043
	TOT PCT	42.1	52.2	1.7	.2	.6	.4	.3	1.6	.0	.9	100.0	

				PERCENT					VS WI		ED		
VSBY (MM)	SPO KTS	N	NE	E	SE	s	SW	W	NW	VAR	CALM	PCT	TOTAL
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	*	*	
<1/2	4-10	.0	*	.0	.0	• 0	.0	*	.0	.0		*	
	11-21	*	*	.0	.0	.0	.0	.0	.0	.0		.1	
	22+ TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	*	.0	
	101 %	•	.1	.0	.0	.0	.0		.0	.0	•	.1	
	0-3		*	.0	.0	.0	.0	.0	.0	.0	*	.1	
1/2<1	4-10	.2	.2	*	.0	*	*	.0	.0	.0		.4	
	11-21	.5	.6		.0	.0	.0	.0	*	.0		1.1	
	22+	.2	.2	*	.0	.0	.0	.0	.0	.0		.4	
	TOT %	.8	1.0		.0	*	*	.0	*	.0	*	1.9	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	4-10	.1	.1	*	*	*	.0		*	.0		.3	
	11-21	.2	.5	*	.0	.0	.0	.0	.0	.0		.7	
	22+	*	*	.0	.0	.0	.0	.0	.0	.0		.1	
	TOT %	.3	.7		*	*	.0	*	*	.0	.0	1.0	
	0-3	.1		.0	.0		*			.0	.1	.2	
2<5	4-10	.7	.6		.0	.0	.0	*	.1	.0		1.4	
	11-21	1.8	1.9		.0		*	.0	*	.0		3.8	
	22+	.3	.6	.0	.0	.0	.0	.0	.0	.0		. 8	
	TOT %	2.8	3.1	.1	.0	*	*	*	.1	.0	.1	6.2	
	0-3	.1	.1		*		*		*	.0	.3	.5	
5<10	4-10	3.2	3.5	.3	*		*	.1	.2	.0		7.3	
	11-21	8.5	13.0	.4	*	. 1	*	*	. 2	.0		22.3	
	22+	1.8	3.0	.1	*	*	*	*		.0		5.0	
	TOT %	13.5	19.5	.8	.1	. 2	.1	.1	.5	.0	.3	35.0	
	0-3	.2	.2							.0	.3	.9	
10+	4-10	6.5	7.0	.4	.1	.1	.1	.1	.5	.0		14.8	
-	11-21	12.2	20.9	.6		.1		*	.3	.0		34.1	
	22+	2.0	3.7	.1	*	*	*	.0		.0		5.9	
	TOT %	21.0	31.7	1.1	.1	.2	.2	.1	.8	.0	.3	55.7	
1	OT UBS	38.5	56.0	2.0	.2	.4	.3	.3	1.5	.0	.7	100.0	9622

PERIDD: (PRIMARY) 1922-1973 (OVER-ALL) 1854-1973

TABLE 10

AREA 0005 CENTRAL SPANISH SAHARA
24.7N 16.5H

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 by HOUR

HOUR (GMT)	000	150 299	300 599	600 999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL
00803	.4	.0	.3	2.5	4.9	4.3	1.7	.8	.0	1.2	16.0	84.0	1448
06809	.5	.1	1.2	6.1	12.4	10.8	4.6	1.5	.6	2.0	39.8	60.2	1375
12615	.4	.1	.6	2.6	8.4	8.8	4.0	.9	.4	1.4	27.6	72.4	1611
18621	.3	.1	.1	.6	2.6	3.1	1.8	.4	.4	1.4	10.7	89.3	1564
TOT	24	4	32	172	417	400	180	52	22	88	1391	4607 76.8	5998

TABLE 11

TABLE 12

TABLE 16

		PERCENT	FREQUEN	CY VSB	((NM)	Y HOUR		CUMULAT					VSBY (NM)	
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL
00603	.0	1.8	.9	5.2	33.2	59.0	2168	00603	.4	.7	8.3	12.2	79.5	1397
06809	.2	2.1	1.0	5.3	37.4	53.9	2533	06809	.5	1.9	14.3	29.6	56.2	1332
12615	.1	1.3	.7	8.0	34.5	55.4	2336	12815	.3	1.2	11.3	21.8	66.9	1572
18821	*	2.4	1.6	6.5	35.1	54.4	2687	18821	.3	.5	8.4	8.9	82.8	1525
TOT PCT	10	187	102	6,3	3416 35.1	5401 55.5	9724 100.0	TOT PCT	22	62	611	1043 17.9	4172 71.6	5826 100.0

TABLE 13

					ADLE I	2									IABLE	14				
	PERC	ENT FR	EQUENC	Y DF R	ELATIV	E HUMI	DITY B	Y TEMP	TOTAL	PCT		RERC	ENT FR	EQUENCY	OF WI	IND DIR	ECTIO	N BY T	EMP	
TEMP F	0-29	30~39	40-49	50-59	60-69	70-79	80-89	90-100		FREQ	N	NE	Ε	SE	S	SW	W	NW	VAR	CALM
85/89	.0	.0	.0	.0	*	.1	.0	.0	4	.1		*	.0	*	*	*	*	.0	.0	.0
80/84	.0	.0	*	*	.3	.5	.1	.1	52	1.0	.3	.5	.1	.0	*	*	*	*	.0	.0
75/79	.0	.0	.0	.1	1.0	6.4	4.8	1.4	725	13.6	5.3	7.2	.4	*	43	.1	*	. 4	.0	.1
70/74	.0	.0	.0	.0	.6	10.4	39.6	22.9	3908	73.5	30.0	40.0	1.2	. 1	48	.2	.2	1.1	.0	.4
65/69	.0	.0	.0	.0	.0	.2	5.6	6.0	630	11.8	5.2	6.0	.1	*	. 1	.1	.1	.2	.0	*
TOTAL	0	0	2	5	100	929	2666	1617	5319	100.0										
PCT	.0	.0	*	.1	1.9	17.5	50.1	30.4			40.9	53.7	1.7	.2	.6	. 4	.3	1.7	.0	.5

	MEANS,	EXTREM	ES AND	PERCEN	TILES	OF TE	MP (DE	GF) B	Y HOUR		PERC	ENT FRE	QUENCY	OF RELA	TIVE H	VTIDIMU	BY HOUR	
HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL	HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
00803	84	76 77	74 75	71 71	68	64	59 59	71.0	2735 3645	E0300	.0	.0	.7	5.7	50.1	44.5	88	1325
12615 18621 TOT	87 90 90	82 82 80	79 78 77	73 73 72	69 69 68	66 67 65	61 61 59	73.8 73.3 72.3	2849 3719 12948	12615 18621 TOT	.0	.4	3.7 2.6 101	30.4 24.0 940	50.9 48.9 2685	14.6 24.5 1657	82 84 85	1367 1402 5390

PERIOD: (PRIMARY) 1922-1973 (UVER-ALL) 1854-1973

TABLE 17

AREA 0005 CENTRAL SPANISH SAHARA 24.7N 16.5W

AIR-SEA	57	61	65	69	73	77	81	85	89	TOT	W	WD
TMP DIF	60	64	68	72	76	80	84	88	92		FDG	FOG
17/19	.0	.0	.0	.0	.0	.0	.0	*		2	.0	
14/16	.0	.0	.0	.0	.0		*	.0	.0	2	.0	
11/13	.0	.0	.0	*	*	.1	.2	*	.0	23	. 1	.3
9/10	.0	.0	*	*	.1	.3	. 2	*	.0	47	. 1	.7
7/8	.0	.0	.0	.3	.7	1.0	.3	.0	.0	148	. 2	2.1
6	.0	.0	*	. 1	1.1	.4	*	*	.0	112	.1	1.7
5	.0	.0		.6	2.7	. 8	*	.0	.0	263	.3	3.9

4	.0	.0	.1	2.3	3.3	.9	*	.0	.0	419	. 8	5.8	
3	.0	.0	.2	3.4	4.9	.6	*	.0	.0	576	.7	8.4	
2	.0	.0	.6	7.5	6.1	.2	*	.0	.0	920	1.1	13.4	
1	.0	*	1.0	11.7	6.5	.2	.0	*	.0	1236	.9	18.5	
0	.0	*	1.4	12.4	4.4	. 1	*	.0	.0	1171	.9	17.5	
-1	.0	.0	.4	7.2	2.4	.1	.0	.0	.0	639	.2	9.8	
-2	.0	.1	1.1	3.4	.7	*	.0	.0	.0	342	. 3	5.0	
-3	.0		.3	1.7	.5	.0	.0	.0	.0	159	. 2	2.3	
-4 -5	.0	.3	.6	.7	.3	*	.0	.0	.0	122	.2	1.7	
-5	.0	.3	.4	. 5	.2	*	.0	.0	.0	86	.2	1.2	
-6	.0		.1	.3	*	*	.0	.0	.0	27	*	. 4	
-7/-8	*	.1	.2	.1	*	.0	.0	.0	.0	30	.1	.4	
-9/-10	*	.1	*	. 1	*	.0	.0	.0	.0	17	*	.2	
-11/-13	*	.1	*	. 1	.0	.0	.0	.0	.0	10	.0	.2	
-14/-16	*	*	*	.0	.0	.0	.0	.0	.0	4	.0	.1	
-17/-19	.0	*	.0	.0	.0	.0	.0	.0	.0	2	.0	*	
TOTAL	4		410		2169		59		1		407	5950	
		69		3329		311		5		6357			
PCT	.1	1.1	6.4	52.4	34.1	4.9	.9	. 1	*	100.0	6.4	93.6	

PERIOD: (OVER-ALL) 1963-1973

TABLE 18

PCT FRED DF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	N 22-33	34-47	48+	PCT	1-3	4-10	11-21	NE 22-33	34-47	48+	PCT
<1	.1	1.4	.3	.0	.0	.0	1.8	.1	.5	*	.0	.0	.0	.7
1-2	.1	6.1	3.7	.0	.0	.0	10.0	.1	4.3	4.2	.0	.0	.0	3.5
3-4	*	4.6	9.7	.5	.0	.0	14.8		2.9	10.4	.5	.0	.0	13.9
5-6	.0	.9	8.4	1.5	.0	.0	10.8	.0	.7	11.9	1.7	.0	.0	14.3
7	.0	.1	3.4	1.1	*	.0	4.7	.0	.2	5.8	1.6	.0	.0	7.6
8-9	.0	*	.8	.8	.0	.0	1.6	.0	.0	1.6	1.0	.0	.0	2.6
10-11	.0	.0	.5	.3	.0	.0	. 8	.0	.0	.7	. 8	.0	.0	1.5
12	.0	*	.1	.1	*	.0	.2	.0	.0	.2	.1	. 1	.0	.3
13-16	.0	.0	.1	.1	.0	.0	.1	.0	.0		.3	.0	.0	.3
17-19	.0	.0	.0	.0	*	.0	*	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40 41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	13.1	26.9	4.6	.1	.0	44.8	.0	8.5	34.9	6.0	.1	.0	49.7
101 101	• 2	13.1	20.7	4.0	• 1	.0	44.0	• 2	0.5	34.7	0.0	• • •	•0	47.1
HGT	1-3	4-10	11-21	E 22-33	34-47	48+	PCT	1-3	4-10	11-21	SE 22-33	34-47	48+	PCT
<1	*	.0	*	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
1-2		.3	.2	.0	.0	.0	.5	.0	*	*	.0	.0	.0	.1
3-4	.0	.2	.4	*	.0	.0	.6	.0	.1		*	.0	.0	.1
5-6	.0		.2	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.1	.0	.0	.0	.1	.0	.0	.0	*	.0	.0	*
8-9	.0	.0	.0	*	.0	.0		.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+ TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TUT PCT	*	.6	.9	+1	.0	.0	1.5	.0	.1		*	.0	.0	.2

PERIOD: (DVER-ALL)	1963-1973	AUGUST	AREA 0005 CENTRAL SPANISH SAHARA
PERTON (GREN-MEL)	1703-1773	TABLE 18 (CONT)	24.7N 16.5W

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	S 22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	.0			.0	.0	.0			.0		.0	.0	.0		
1-2	.0	.1		.0	.0	.0	.1	.0	.1		.0	.0	.0	.1	
3-4	.0		.1	*	.0	.0	.1	.1				.0	.0	.1	
5-6	.0	.0	.1	.0	.0	.0	.1	.0	.0		.0	.0	.0	*	
7	.0			.0	.0	.0		.0	.0		.0	.0	.0	*	
8-9	.0	.0	.0		.0	.0		.0	.0	.0		.0	.0		
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PET	.0	.2	.2		.0	.0	.5	.1	.1	. 1	*	.0	.0	.3	
нст	1-19	4-10	11-21	W 22-33	34-47	48+	PCT	1-3	4-10	11-21	NW 22-33	34-47	48+	PCT	TOTAL
HGT	1-13	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL
<1	*	.0	.0	22-33	.0	.0.	PCT	*	.2		22-33	.0	.0	.3	TOTAL
1-2	.0	.0	.0	22-33	.0	.0		*	.7	.1	.0	.0	.0	.3	TOTAL
<1 1-2 3-4	.0	.0	.0	22-33	.0	.0	:	.1	.2 .7 .2	.1	.0	.0	.0	.3 .8 .3	TOTAL
(1 1-2 3-4 5-6	.0	.0	.0	22-33	.0	.0	:	.1 .0	.7	.1	.0	.0	.0	.3 .8 .3	TOTAL
<1 1-2 3-4	.0	.0	.0	22-33	.0	.0		.1	.2 .7 .2	.1	.0 .0 .0	.0	.0	.3 .8 .3	TOTAL
(1 1-2 3-4 5-6 7 8-9	.0	.0	.0	22-33	.0	.0.	* * * * * * * * * * * * * * * * * * * *	* •1 •0 •0 •0	.2 .7 .2 .1 *	.1	22-33	.0	.0	.3 .8 .3 .2	TOTAL
1-2 3-4 5-6 7 9-9 10-11	.0	.0	.0	22-33	.00000000000000000000000000000000000000	.0	* * * * * .0 .0	.1	.2 .7 .2 .1	.1 .2 .2 .2 .	22-33	.0	.0	.3 .8 .3 .2	TOTAL
(1 1-2 3-4 5-6 7 8-9	.0	.0	.0	22-33	.0	.0.	* * * * * * * * * * * * * * * * * * * *	* .1 .0 .0 .0 .0 .0 .0 .0	.2 .7 .2 .1 *	.1 .2 .2 .2 *	22-33	.0	.0	.3 .8 .3 .2 .1	TOTAL
61 1-2 3-4 5-6 7 8-9 10-11	.0	.0	.0	22-33	.0	.0	* * * * * .0 .0	* .1 .0 .0 .0 .0 .0 .0 .0 .0 .0	.2 .7 .2 .1 *	.1 .2 .2 .2	22-33	.0	.0	.3 .8 .3 .2 .1 *	TGTAL PCT
(1 1-2 3-4 5-6 7 8-9 10-11 12 13-16	.0	.0	.0	22-33	.0	.0	* * * .0 .0 .0 .0 .0 .0 .0	* .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.2 .7 .2 .1 *	.1 .2 .2 .4 .0 .0	22-33	.0	.0	.3 .8 .3 .2 .1 *	TGTAL
C1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19	.0	.0	.0	22-33	.0	.0	* * * * .0 .0 .0 .0 .0	* .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.2 .7 .2 .1 *	.1 .2 .2 .20 .0 .0 .0 .0 .0	22-33	.0	.0	.3 .8 .3 .2 .1 *	TGTAL
(1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22	.0	.0	.0	22-33	.0	000000000000000000000000000000000000000	* * * .0 .0 .0 .0 .0 .0 .0 .0	* .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.2 .7 .2 .1 * * .0 .0 .0	.1 .2 .2 * .0 .0 .0 .0 .0 .0	22-33	.0	.00000000000000000000000000000000000000	.3 .8 .3 .2 .1 * .0 *	TOTAL
(1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25	.0	* .000000000000000000000000000000000000	.0	22-33	.0	000000000000000000000000000000000000000	* * * * .0 .0 .0 .0 .0 .0 .0 .0 .0	* .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.2 .7 .2 .1 * .0 .0	.1 .2 .2 * .0 .0 .0 .0 .0 .0 .0	22-33	.0	.0	.3 .8 .3 .2 .1 *	TOTAL
(1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 20-22 20-32 33-40 41-48	* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0		.0	22-33	.0	000000000000000000000000000000000000000	* * * * * * * * * * * * * * * * * * * *	* 1 . 0 . 0 . 0 . 0 . 0 . 0 . 0 . 0 . 0 .	.2 .7 .2 .1 * .0 *	.1 .2 .2	22-33	000000000000000000000000000000000000000	000000000000000000000000000000000000000	.3 .8 .3 .2 .1	TOTAL
(1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60	.0	***************************************	.0	22-33	.0		* * * * * * * * * * * * * * * * * * * *	* 1 . 0 . 0 . 0 . 0 . 0 . 0 . 0 . 0 . 0 .	.2 .7 .2 .1 * * .0 .0 .0 .0 .0 .0	.1 .2 .2	22-33		000000000000000000000000000000000000000	.3 .8 .3 .2 .1 *	TOTAL
<11-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60 61-70	.0	***************************************	.00	22-33	.00.00.00.00.00.00.00.00	.0.	* * * * * * * * * * * * * * * * * * * *	* .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.2 .7 .2 .1 * .0 .0 .0 .0 .0 .0 .0	* .1 .2 .2 .2 * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	22-33 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0		.0	.3 .8 .3 .2 .1	TOTAL
<1 1~2 3~4 5~6 7 8~9 10~11 12 13~16 17~19 20~22 23~25 23~32 40~41 49~60 61~70 71~86	***************************************	.0	.00	22-33	.00000000000000000000000000000000000000		***************************************	* 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	.2 .7 .2 .1 * .0 .0 .0 .0 .0 .0 .0	* .1 .2 .2 .20 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	22-33 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0		.0	.3 .8 .3 .2 .1 * .0 .0 .0 .0 .0 .0	TOTAL
<11-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60 61-70	.0	***************************************	.00	22-33	.00.00.00.00.00.00.00.00.00	.0.	* * * * * * * * * * * * * * * * * * * *	* .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.2 .7 .2 .1 * .0 .0 .0 .0 .0 .0 .0	* .1 .2 .2 .2 * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	22-33 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0		.0	.3 .8 .3 .2 .1	707AL PCT

	MIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	1.7	2.2	.4	.0	.0	.0	4.3	
1-2	• 3	11.6	8.1	.0	.0	.0	20.1	
3-4	• 2	7.9	20.6	1.1	.0	.0	29.8	
5-6	*	1.7	20.7	3.2	.0	.0	25,6	
7	• 0	.3	9.3	2.8		.0	12.5	
8-9	.0	*	2.4	1.9	.0	.0	4.3	
10-11	•0	.0	1.2	1.1	.0	.0	2.3	
12	•0	*	.2	. 2	.1	.0	.6	
13-16	.0	.0	.1	.3	.0	.0	.4	
17-19	•0	.0	.0	.0	*	.0	*	
20-22	• 0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	• 0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	• 0	.0	.0		.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								3890
TOT PCT	2.2	23.7	63.2	10.7	.2	.0	100.0	

PERIOD: (DVER-ALL) 1949-1973 PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS) PERIOD (SEC) <6 6-7 8-9 10-11 12-13 >13 INDET TOTAL PCT 7.5 12.3 8.6 .8 4.7 8.9 .2 1.6 3.6 .3 .3 .9 .0 .6 .3 .0 .0 .2 2.4 4.7 4.1 524 1150 1250 11.1 24.5 26.6 87+ TOTAL .0 1647 .0 1335 .0 588 .0 165 .0 87 .0 25 .0 854 0 4701 .0 100.0 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60 61-70 71-86 <1 .5 .0 * .0 .0 .0 1.3 88 1.9 4.0 8.2 2.8 .7 .3 .1 3.3 911 1.4 3.0 2.3 .5 .2 .1 1.4 417 8.9 .5 1.7 1.3 .4 .1 .1 .6 221 4.7 .0 .0.0 .0 .0 .1 .8 .4 .2 .1 * .2 .4 .2 .* .2 .2 .52 1.1 0000000000 .0

SEPTEMBER

PERIOD: (PRIMARY) 1922-1973 (UVER-ALL) 1857-1973

TABLE 1

AREA 0005 CENTRAL SPANISH SAHARA 24.7N 16.6W

PERCENT	FREQUENCY	OF	WEATHER	DECURRENCE	AY	WIND	DIRECTION

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	FUG WO PCPN	FOG WO PCPN PAST HR	SMOKE		
N NE	:1	•1	:1	.0	.0	•0	.0	:3	• 2	.8	3.9	.1	6.5	.3	87.9
						•0				.6	2.2	.0	4.9	.5	91.0
S E	2.0	1.6	.3	.0	.0	• 0	.0	3.8	.5	1.3	3.5	.0	4.5	.0	86.4
	2.8	2.8	.0	.0	.0	.0	.0	5.6	.0	.0	1.4	.0	9.2	.0	83.8
S	3.4	.0	.0	.0	.0	• 0	.0	3.4	.0	3.4	.0	.0	11.2	.0	85.3
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3	.0	.0	3.4	.0	94.4
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	.0	2.0		95.9
NW	.0	1.6	.0	.0	.0	.0	.0	1.6	.0	.4	1.6	.0	3.2		92.4
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0			
CALM	.0	.0	.0	.0	.0		.0	.0					.0		.0
		•0	.0	.0		• 0	.0	.0	.0	.0	2.4	.0	1.2	.0	96.4
TOT PCT	5875	.2	.2	.0	.0	.0	.0	.7	.2	.7	2.7		5.3	.4	90.0

TABLE 2
* PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

									the contract of the contract of						
			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHENON	MENA	
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR L TNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	NO SIG WEA
00603 06609 12615 18621	.6 .4 .2	·1 ·4 ·2 ·2	.3 .4 .1	.0	.0	•0	.0	1.0 1.2 .5	.2 .1 .2 .1	1.5 1.0 .0	2.1 2.8 2.6 3.4	.0 .1 .1	3.6 3.7 6.3 7.3	.3 .5 .3	91.3 90.6 90.0 88.3
TOT PCT	5974	•2	.2	.0	.0	.0	.0	.7	•2	.7	2.7		5.3	.4	90.0

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PERCENTAGE	FREQUENCY	DF	WIND	DIRECTION	RY	SPEED	AND	BY	HOUR

									77.0									
		WI	ND SPE	ED (KN	DTS)								HOUR	(GMT)				
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	FREQ	MEAN	00	03	06	09	12	15	18	21	
N NE	1.2	10.2	12.6	1.9	.1	.0		25.9	12.2	29.2		25.7	18.1	22.7	21.4	29.5	25.8	
E	.2	2.4	2.2	.2	*	.0		5.0	11.3	4.3	3.4	5.3	7.8		.8	3.7	5.1	
SE	.1	.4	.1	*	.0	.0		.6	7.8	.7	.0	.6	.9	.7	.0	.4	. 5	
S	.1	.3	.1	*	.0	.0		.5	7.5	.3	.0	.3	.7	. 8	.0	. 5	.4	
SW	. 2	.3	.1	.0	.0	.0		.7	6.4	.7	.0	. 8	.7	.7	. 8	. 5	.6	
NW	.2	.5	.1	*	.0	.0		. 8	6.2	1.2	.0	. 8	.9	.5	.6	.7	1.1	
	.5	1.3	.3	*	.0	.0		2.1	7.0	2.3	2.1	2.0	1.7	1.9	3.4	2.1	2.5	
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	1.2							1.2	.0	1.7	1.5	1.1	. 8	1.3	2.4	1.0	.8	
TOT OBS	536	3951	5935	929	12	0	11363		12.7	2219	131	2157	1066	2326	125	2275	1064	
TOT PCT	4.7	34.8	52.2	8.2	.1	.0		100.0		100.0	100.0	100.0	100.0	100.0				

TA	BI	E	34	

WND DIR	0-6	WIND 7-16	SPEED 17-27		41+	TOTAL	PCT	MEAN SPD	00	HDUR 06 09	12 15	18 21
N NE	4.7	14.9	19.4	1.1	.0		25.9	12.2	29.8	23.2	22.6	28.3
E	1.1	2.9	1.0	*	*		5.0	11.3	4.3	6.1	5.6	4.1
SE	.3	.3	.1	.0	.0		.6	7.8	.7	.7	.7	.4
S	.3	.1		.0	.0		.5	7.5	.3	.4	.7	.5
SW	.4	. 2	*	.0	.0		.7	6.4	.7	.8	.7	.6
W	. 5	.2		.0	.0		. 8	6.2	1.1	.9	.5	.8
NW	1.2	.7	.1	*	.0		2.1	7.0	2.3	1.9	1.9	2.2
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	1.2						1.2	.0	1.7	1.0	1.4	1.0
TOT OBS	1810	6348	3040	164	1	11363		12.7	2350	3223	2451	3339
TOT PCT	15.9	55.9	26.8	1.4	*		100.0		100.0		100.0	

SEPTEMBER

PERIOD: (PRIMARY) 1922-1973 (OVER-ALL) 1857-1973

TABLE 4

AREA 0005 CENTRAL SPANISH SAHARA 24.7N 16.6W

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

					SPEED (PCT	TOTAL
HOUR	CALM	1-3	4-10	11-21	22-33	34-47	48+	MEAN	FREQ	OBS
60300	1.7	3.1	33.9	52.5	8.7	.1	.0	12.9	100.6	2350
90300	1.0	3.4	36.0	52.0	7.5	.2	.0		100.0	3223
12615	1.4	3.4	32.2	53.9	9.0	.1	.0	13.1	100.0	2451
18621	1.0	4.0	36.1	51.1	7.8	.1	.0	12.6	100.0	3339
TOT	137	399	3951	5935	929	12	0	12.7		11363
PCT	1.2	3.5	34.8	52.2	8.2	.1	.0	-	100.0	

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TABLE .

	CT FRE			DIREC		EIGHTHS)							CEILIN NH <5/					
ND DIR	0-2	3-4	5-7	3 8	TOTAL	CLOUD	000	150	300	600	1000	2000	3500	5000		8000+	NH <5/8	
				OBSCD	OBS	COVER	149	299	599	999	1999	3499	4999	6499	7999		ANY HGT	OBS
N	20.2	3.9	4.6	2.1		2.2	.1	.0	.1	.6	1.3	1.4	.4	.1	.2	.6	26.0	
NE	34.4	8.5	11.7	5.7		2.7	.1	*	.3	1.3	3.7	3.3	1.6	.5	.3	1.4	47.9	
E	1.2	.6	.7	.3		3.2	*	*	.0	*	.2	.1	.1	.1		.1	2.1	
SE	.3	.1	.1			2.9	.0	.0	.0	.0	.1	.0	*	.0	.0	.0	.3	
S	.2		.1	*		2.8	.0	.0	.0	.0		*	.0	.0	.0		.3	
SW	.5	.1	.1			2.1	.0	.0	.0	.0	*	*	*	.0	.0		.6	
W	.5	.1	.1			2.0	.0	.0	.0	*	*	.1	*	.0	.0	.0	.7	
NW	1.3	.3	.4	.2		2.7	.0	.0	.0	*	.1	.1	.1	.1			1.8	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	1.3	.2	.1	.0		1.2	.0	.0	.0	*	*	*	*	.0	.0	.0	1.5	
OT OBS	2873	658	857	405	4793	2.5	12	1	18	92	261	244	113	36	25	103	3888	479
TOT PCT	59.9	13.7	17.9	8.4	100.0		.3		.4	1.9	5.4	5.1	2.4	.8	.5	2.1	81.1	100.0

TABLE 7

OF SIMULTANEOUS	
	OF SIMULTANEOUS (NH >4/8) AND V

				VSBY (N	4)			
CEILING	- OR	- OR	· OR	= OR	= DR	= OR	■ DR	- DR
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
= DR >6500		2.5	2.6	2.6	2.6	2.6	2.6	2.6
= OR >5000	1.9	3.2	3.4	3.4	3.4	3.4	3.4	3.4
= DR >3500	3.6	5.3	5.8	5.8	. 5.8	5.8	5.8	5.8
= DR >2000	6.5	10.0	10.8	10.8	10.8	10.8	10.8	10.8
■ OR >1000	9.8	15.2	16.1	16.2	10.2	16.2	16.2	16.2
= DR >600	11.0	17.1	18.1	18.1	18.1	18.1	18.1	18.1
■ DR >300	11.2	17.4	18.5	18.5	18.5	18.5	18.5	18.5
= OR >150	11.2	17.4	18.5	18.5	18.5	18.5	18.5	18.5
- DR > 0	11.2	17.5	18.6	18.6	18.7	18.7	18.7	18.8
TOTAL	543	846	899	902	904	905	908	909

TOTAL NUMBER OF OBS: 4844

PCT FREQ NH <5/8: 81.2

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 DBSC DBS 43.0 14.3 10.8 7%6 5.0 3.6 4.5 4.8 6.2 .2 5055

SEPTEMBE	ER
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									SEPT	TEMBER									
PERIOD:	(PRIMA	RY) -1	922-1973 857-1973	3					TAB	SLE 8				ARE	A 0005	CENTE	RAL SPAN 16.6W	ISH SAH	ARA
				,	PERCENT	PRECI	F WIND	DIRECTON WIT	TIUN V	YS DCC	URRENC ALUES	E DR N	ON-DCC	URRENC	E OF				
		VSBY (NM)		N	NE	E	SE	s	SW	W	NW	VAR	CALM	PCT	TOTAL				
		<1/2	PCP NO PCP TOT %	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0 .1					
		1/2<1	PCP NO PCP TOT %	.3	.0	.1 .1	•0	.0	.0	.0	.0	.0	.0	.8 .9	٠				
		1<2	PCP ND PCP TDT %	.0	.0 .5 .5	•	.0 .1	••	•0	.0	•0 •	.0	.0	.9					
		2<5	PCP NO PCP TOT %	1.2 1.2	1.7 1.8	:	.0	.0	.0	.0	.0	.0	•0	3.0 3.1					
		5<10	PCP NO PCP TOT %	9.7 9.7	.2 17.4 17.6	.8	.2	.2	.0	.0	.4	.0	.0 .2 .2	.3 29.2 29.6					
		10+	PCP NO PCP TOT %	19.3 19.3	39.1 39.3	2.2	.3	.3	.5	.6	1:7	.0	1.2 1.2	65.2 65.4					

TOT DBS TOT PCT 30.9 59.6 3.3 .6 .5 .8

TABLE 9

.8 2.1 .0 1.4 100.0

				PERCENT	ITH VA	OF WIN	VALUES	CTION OF V	VS WII	ND SPE ITY	ED		
YESV (MM)	SPD KTS	N	NE	Ε	\$E	S	SW	W	NW	VAR	CALM	PCT	TOTAL
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	*	*	.0	.0	*	.0	.0	.0	.0		.1	
	11-21	.0	*	.0	.0	.0	.0	.0	.0	.0		*	
	22+	.0		.0	.0	.0	.0	.0	.0	.0		*	
	TOT %		.1	.0	.0	*	.0	.0	.0	.0	.0	.1	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	4-10	.1	.1	*	*	.0	.0	*	.0	.0		.2	
	11-21	.1	.2		.0	.0	.0	.0	.0	.0		.4	
	22+		*	.0	.0	.0	.0	.0	*	.0		*	
	TOT %	•2	.3	.1	*	.0	.0	*	*	.0	.0	.7	
	0-3	.0	.0		.0	.0	.0	.0	*	.0	.0		
1<2	4-10	.1	.1	*	*		*	.0	*	.0		.3	
	11-21	.1	.3	*	*	.0	.0	.0	*	.0		.5	
	22+	*	*	.0	*	*	.0	.0	.0	.0		*	
	TOT %	.2	.5	*	*		*	.0	.1	.0	.0	.8	
	0-3		.4	.0	*	.0	.0		*	.0	.1	.2	
2<5	4-10	.3	.4	*	*		.0	.0	.0	.0		.7	
	11-21	.6	1.2	.1	*	.0	.0	.0	*	.0		1.9	
	22+	.2	.4	*	.0	.0	.0	.0	.0	.0		.6	
	TOT %	1.1	2.0	.1	*	*	.0	*	*	.0	.1	3.4	
	0-3	.3	.2		*	*	.1		.1	.0	.2		
5<10	4-10	2.3	3.4	.4	. 1	.1	. 1	.1	.1	.0		6.7	
	11-21	5.0	10.6	.6	.1	.1		*	.1	.0		16.5	
	22+	.9	2.6	*	*	*	.0	.0	.0	.0		3.6	
	TOT %	8.5	16.9	1.1	• 2	• 2	.2	.1	.3	.0	•2	27.8	
	0-3	.9	.7	.1	.1	.1	.1	.2	.3	.0	1.0		
10+	4-10	7.7	12.9	1.2	. 1	.1	. 2	.5	1.1	.0		23.8	
	11-21	8.7	24.9	1.2	.1	.1	.1	.1	.2	.0		35.4	
	22+	1.1	3.5	.1	.0	.0	.0	.7		.0		4.7	
	TOT %	18.3	42.0	2.6	.3	.3	.5	.7	1.6	.0	1.0	67.2	
	OT 085												8265
1	OT PCT	28.5	61.7	4.0	.5	.5	.7	.8	2.0	.0	1.3	100.0	

SEPTEMBER

PERIOD: (PRIMARY) 1922-1973 (OVER-ALL) 1857-1973

TABLE 10

AREA 0005 CENTRAL SPANISH SAHARA 24.7N 16.6W

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000	150 299	300 599	999	1000	2000 3499	3500 4999	50n0 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL
60300	.4	.0	.2	2.0	4.5	3.8	1.3	.7	.5	1.4	14.8	85.2	1225
90360	.4	.0	.8	3.3	9.5	6.3	3.5	.8	.5	2.4	27.5	72.5	1161
12615	.2	.1	.4	1.7	4.9	5.8	2.7	1.1	.4	2.4	19.5	80.5	1319
18821	.0	.0	.2	.6	2.6	3.9	1.8	.4	.7	2.0	12.2	87.8	1290
101	12	1	19	94	262	246	115	36	26	103	914	4081	4995

TABLE 11

TABLE 12

		PERCENT	FREQUEN	CY VSB	(NM)	BY HOUR			CUMULAT	IVE PCT	FREQ G HGT	OF RAN	GES OF	VSBY (NM)	AND/DR
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL		HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL
00603	.1	.6	.6	2.8	26.3	69.7	1862		E0300	.4	.6	5.0	11.9	83.1	1185
06609	.2	1.0	1.0	2.4	27.9	67.4	2219		90300	.4	1.3	7.0	22.9	70.1	1124
12615	.2	.3	.9	4.2	27.1	67.4	1944		12615	.2	.8	6.4	15.9	77.7	1290
18621		.6	.8	4.0	29.7	64.8	2337	-	18621	.0	.2	5.2	10.8	84.3	1245
TOT	10	55	70	279	2330	5618 67.2	8362		TOT	12	35	286	737 15.2	3821 78.9	4844

TABLE 13

PERCENT	FREQUENCY	OF	WIND	DIRECTION	BY	TEMP	

	PERCE	ENT FRE	EQUENC	Y OF R	ELATIVE	E HUMI	DITY B	Y TEMP				PERC	ENT FRE	QUENCY	OF W	IND DIE	RECTIO	N BY T	EMP	
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	DBS	FREQ	N	NE	Ε	SE	s	SW	W	NW	VAR	CALM
90/94	.0	.0	.0	.0	.0		.0	.0	1		.0	*	.0	.0	.0	.0	.0	.0	.0	.0
85/89	.0	.0	*	.0			.0	.0	5	.1	*	.1	.0	.0	.0	.0	.0	.0	.0	.0
80/84	.0	.0	*	.1	.2	.6	.3		58	1.2	.4	.6	.1	*	*	*	*	.1	.0	.0
75/79	.0	.0		.1	1.2	6.3	4.9	1.1	641	13.0	4.5	7.7	.4	.1	.1	.1	.2	.5	.0	.1
70/74	.0	.0	.0	.1	1.1	14.0	38.4	19.2	3425	72.8	21.1	45.5	2.2	.4	.3	.5	.6	1.5	.0	.8
65/69	.0	.0	.0	.0	*	.6	6.1	5.5	576	12.2	4.0	7.5	.3	*	*	.1	*	.1	.0	. 2
60/64	.0	.0	.0	.0	.0	.0	.0		1	*	.0	*	.0	.0	.0	.0	.0	.0	.0	.0
TOTAL	0	0	3	10	124	1014	2339	1217	4707	100.0										
PCT	.0	.0	.1	.2	2.6	21.5	49.7	25.9			30.1	61.5	2.9	.5	.4	.7	.8	2.1	.0	1.1

TABLE 15

	MEANS,	EXTREM	ES AND	PERCEN	TILES	OF TE	AP (DE	G F) A	Y HOUR		PERC	ENT FRE	QUENCY	OF RELA	TIVE H	UMIDITY	BY HOUF	1
HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL	HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
00603	85	77	75	72	68	66	63	71.5	2361	00803	.0	.0	1.2	11.1	50.5	37.2	87	1184
90300	83	78	76	72	68	66	57	71.7	3226	06609	.0	.2	1.1	14.6	48.9	35.3	86	1180
12815	90	82	80	74	69	67	57	74.2	2384	12615	.0	.8	5.3	34.7	47.5	11.8	81	1180
18621	88	82	79	73	70	68	59	73.8	3257	18621	.0	.2	3.0	25.5	51.9	19.4	83	1222
TOT	90	81	78	73	68	66	57	72.8	11228	TOT	0	13	127	1024	2369	1233	84	4766

SEPTEMBER

PERIOD: (PRIMARY) 1922-1973 (OVER-ALL) 1857-1973

TABLE 17

AREA 0005 CENTRAL SPANISH SAHARA 24.7N 16.6W

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	61	65	69 72	73 76	77 80	81 84	85 88	89 92	тот	FOG	FOG	
20/22	.0	.0	.0	.0	.0		.0	.0	1	.0		
17/19	.0	.0	.0	.0	.0	.0	*	.0	5	.0		
14/16	.0	.0	.0	.0	.1		*	*	7	.0	.1	
11/13	.0	.0	.0		.1	.2	.1	.0	20	*	.4	
9/10	.0	.0		.2	.4	,2	*	.0	43	*	.8	
7/8	.0	*	.1	.8	.6	.3	.0	.0	101	.1	1.8	
6	.0	.0	.2	.7	5	.1	.0	.0	76	.1	1.4	
5	.0	.1	.6	1.8	1.0	.1	.0	.0	191	.2	3.5	
4	.0	.2	1.5	2.4	.9	.1	.0	.0	264	.4	4.6	
3	.0	.3	3.6	4.2	. 8	.0	.0	.0	466	.2	8.7	
2	.0	.8	6.5	5.3	.8	*	.0	.0	706	.4	13.1	
1 0	.0	1.2	9.3	6.6	.3	.0	.0	.0	916	.4	17.0	
0	.1	1.7	10.1	6.2	.5	.1	.0	.0	961	.5	17.8	
-1		.7	8.4	4.7	.1	*	.0	.0	728	.2	13.7	
-2	*	.5	4.7	1.8	.1	.0	.0	.0	370	.2	6.9	
-3	*	.3	2.2	.7	:	.0	.0	.0	169	. 1	3.1	
-4	.1	.3	1.3	.3		.0	.0	.0	105	*	2.0	
-5	.1	.2	.7	.1	.0	.0	.0	.0	58	.0	1.1	
-6	.0	.1	.3	.0	.0	.0	.0	.0	19	*	.3	
-7/-8	*	.1	.1	*	.0	.0	.0	.0	17	.0	.3	
-9/-10	.1	.1	.1	*	*	.0	.0	.0	15	*	.3	
-11/-13	.1	*		.0	.0	.0	.0	.0	5	.0	.1	
-14/-16	*	.0	.0	.0	.0	.0	.0	.0	1	.0	*	
TOTAL	32		2610		308		9			159	5082	
· rate		346		1876	1	59		1	5241			
PCT	6	6.6	49.8	35 . R	5.9	1.1	. 2	*	100.0	3.0	97.0	

PERIOD: (QVER-ALL) 1963-1973

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT 1-3 4-10 11-21 22-33 34-47 48+ PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT 1-2 4.6 1.8 2.3 0.0 0.0 2.7 1.4 1.6 3.0 0.0 0.0 2.2 1.2 1.2 4.5 1.1 2.5 0.0 0.0 0.0 8.0 1.3 5.5 5.3 0.0 0.0 0.0 12.0 3.4 1.3 1.0 6.2 1.3 0.0 0.0 9.6 1.1 3.7 13.2 0.9 0.0 0.0 12.0 3.4 1.3 1.0 6.2 1.3 0.0 0.0 9.6 1.1 3.7 13.2 0.9 0.0 0.0 12.0 3.4 1.0 0.0 3.5 0.0 0.0 1.1 11.4 2.4 0.0 0.0 15.0 7 0.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0					N							NE			
1-2	HGT	1-3	4-10			34-47	48+	PCT	1-3	4-10	11-21		34-47	48+	PCT
1-2	<1	.6	1.8	.3	.0	.0	.0	2.7	.4	1.6	.3	.0	.0	.0	2.2
9-6	1-2	.4	5.1			.0			.3						
7	3-4	.1	3.0	6.2		.0	.0	9.6	.1	3.7	13.2		.0	.0	
8-9		.0	.9	5.4		.0	.0	7.0	.0	1.1				.0	
10-11	7			2.4	1.0	.0		3.5					.0	.0	
122	8-9	.0		. 8		.0		1.5	.0		2.0			.0	
13-16	10-11	.0	.0		.4	.0		.4	.0	.0	.5	.7		.0	
13-16	12							.2							.2
20-22	13-16	.0	.0							.0		.1		.0	.1
23-25	17-19						.0	.0					.0		*
26-32	20-22				.0		.0	.0				.0	.0		.0
33-40		.0						.0					.0		.0
41-48	26-32	.0						.0							
49-60 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0								.0							
61-70		.0						.0							.0
71-86	49-60							.0	.0						.0
## ## ## ## ## ## ## ## ## ## ## ## ##	61-70							.0	.0						.0
TOT PCT 1.0 10.8 17.7 3.3 .0 .0 32.8 .8 13.1 37.7 8.2 .0 .0 59.7 HGT 1-3 4-10 11-21 \$\frac{\text{E}}{22-33} 34-47 48+ PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT 41 .1 .2 .0 .0 .0 .0 .7 ** .0 .0 .0 .0 .0 .0 .2 1-2 ** .5 .1 .0 .0 .0 .0 .7 ** .0 .0 .0 .0 .0 .0 .0 .0 .0 .5 ** 3-4 .0 .3 .3 ** .0 .0 .7 ** .0 ** ** .0 .0 .0 .0 .0 .0 .1 ** 5-6 .0 ** .2 .0 .0 .0 .0 .3 .0 .7 .0 ** ** .0 .0 .0 .0 .0 .1 ** 7 .0 .0 ** .0 .0 .0 .0 .0 .3 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0								.0							
HGT 1-3 4-10 11-21 E 22-33 34-47 48+ PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT (1 -1 -2 -2 -2 -2 -2 -2 -2 -2 -2 -2 -2 -2 -2	87+								.0						.0
c1 -1 -2 -0 -0 -0 -3 -1 -1 -0 -0 -0 -2 3-4 .0 .3 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0<	TOT PCT	1.0	10.8	17.7	3.3	.0	.0	32.8	.8	13.1	37.7	8.2	.0	.0	59.7
c1 -1 -2 -0 -0 -0 -3 -1 -1 -0 -0 -0 -2 3-4 .0 .3 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0<	HGT	1-3	4-10	11-21	E 22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
1-2	<1	.1				.0	.0	. 3	.1			.0	.0	.0	.2
7						.0		.7			.0	.0	.0	.0	
7	3-4	.0	.3	.3		.0		.7	.0			.0			.1
7	5-6	.0		.2	.0	.0	.0	.3	.0			.0	.0	.0	*
12		.0	.0		.0	.0	.0		.0	.0	.0		.0		
12		.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16			.0												.0
20-22	12	.0							.0				.0		.0
20-22	13-16						.0	.0				.0			.0
23-25 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0								.0							.0
26-32	20-22	.0						.0					.0	.0	.0
33-40								.0							.0
49-60								.0						.0	.0
49-60								.0							.0
61-70															.0
87+ .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	49-60														.0
87+ .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	61-70							.0							.0
TOT PCT .2 1.2 .7 * .0 .0 2.1 .1 .2 .1 * .0 .0 .4	87+							.0				.0			
	TOT PCT	+2	1.2	.7		.0	.0	2.1	.1	.5	.1		.0	.0	.4

				PC	T FREQ	OF WIND	SPEED	(KTS) AN	D DIRE	CTION	VERSUS	SEA HEIG	HTS (FT)			
				s								SW				
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21		34-47	48+	PCT	
<1	.1		.0	.0	.0	.0	.1		.1	.1	. (.0	.0	.0	.1	
1-2	.0	.1	.0	.0	.0	.0	.1		.1	.1	. (.0	.0	.2	
3-4	.0	.0		.0	.0	.0			.0	.0			.0	.0		
5-6	.0	.0		.0	.0	.0			.0	.0			.0	.0		
7	.0	.0			.0	.0	.1		.0	.0			.0	.0		
8-9	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0	.0	
12	.0	.0	.0	.0	•0	.0	.0		.0	.0			.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0	.0	
26-32 33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0	.0	
41-48	.0	.0		.0	.0	.0	.0		.0	.0			.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0	.0	
71-86	.0	.0	.0			.0	.0		.0	.0			.0	.0	.0	
87+	.0	.0		.0	.0	.0	.0			.0			.0	.0	.0	
TOT PCT	.1	.1	.0	.0	.0	.0	.0		.0	.0			.0	.0	.0	
101 761	• •	••			•0	.0	.3			• 4			.0	.0	.4	
				W								NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL
<1	.1	.1	.0	.0	.0	.0	.2		.2	.4	.(.0	.0	.5	
1-2	*	.3	.0	.0	.0	.0	.3		.1	.6			.0	.0	. 8	
3-4	.0	.0	.0	.0	.0	.0	.0		.0	.1			.0	.0	.2	
5-6	.0	.0	.0	.0	.0	.0	.0		0	.0	.1		.0	.0	.1	
7	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.1	
8-9	.0	.0	.0	.0	.0	.0	.0		.0	.0	. (.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0		.0	.0	.(0.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0		.0	.0	. (.0	.0		
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0	*	
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.(.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0	.0	
71-86																
	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0	.0	
87+ TOT PCT	.0	.0	.0	.0	.0	.0	.0		.0	1.0	.0	.0	.0	.0	.0	_ 98.0

	MIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	3.9	4.4	.6	.0	.0	.0	6.8	003
1-2	1.1	13.1	7.9	.0	.0	.0	22.1	
3-4	• 2	7.1	19.8	1.3	0	.0	28.4	
5-6	•0	2.1	17.1	3.2		.0	22.3	
7	•0	.2	7.5	3.3	.0	.0	11.1	
8-9	• 0	.1	2.7	2.3	.0	.0	5.1	
10-11	.0	.0	.6	1.0	.0	.0	1.6	
12	• 0		.2	.2	.0	.0	.4	
13-16	• 0	.0	*	.1	.0	.0	.2	
17-19	• 0	.0	.0	*	.0	.0	*	
20-22	•0	.0	.0	.0	.0	.0	.0	
23-25	• 0	.0	.0	.0	.0	.0	.0	
26-32	• 0	.0	.0	.0	.0	.0	.0	
33-40	•0	.0	.0	.0	.0	.0	.0	
41-48	•0	.0	.0	.0	.0	.0	.0	
49-60	• 0	.0	.0	.0	.0	.0	.0	
61-70	• 0	.0	.0	.0	.0	.0	.0	
71-86	•0	.0	.0	.0	.0	.0	.0	
87+	• 0	.0	.0	.0	.0	.0	.0	
								3079

TOT PCT 5.2 26.9 56.4 11.5

PERIOD: (OVER-ALL) 1949-1973 TABLE 19 PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS) PERIOD (SEC) <6 6-7 8-9 10-11 12-13 >13 INDET TOTAL PCT 87+ TOTAL MEAN MGT .0 1358 4 .0 1016 6 .0 115 6 .0 115 6 .0 18 8 .0 758 4 0 3768 5 .0 100.0 3-4 5-6 8.3 8.6 2.7 .8 .3 .2 3.3 910 24.2 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60 61-70 71-86 7.0 1.0 .4 .3 .0 .0 3.4 452 12.0 1358 1016 422 115 81 18 758 3768 100.0 12.2 5.9 1.6 .7 .6 .0 4.9 977 25.9 4.1 6.2 3.3 .6 .4 .1 2.5 651 17.3 .0.0.0.0.0.0.0.0.0 2.2 3.2 1.9 .2 .2 .1 1.6 353 9.4 .6 1.4 .8 .3 .4 .1 .7 164 .0 .1 .0 .1 .0 .0 .0.0.0.000 .0.0.0.0.0.0.0.0.0 .0 .0.0.0.0.0.0 ·1 ·4 ·2 ·1 ·1 * ·3 47 1·2 .2 .2 .1 .1 .1 .0 22 .0.0.0.000 .0 .0.0.0.00.0 .0

3079

.0 .0 100.0

DCTOBER

- PERIOD: (PRIMARY) 1921-1973 (OVER-ALL) 1855-1973

TABLE 1

AREA 0005 CENTRAL SPANISH SAHARA 24.7N 16.6W

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY	WIND DIRECTION

			,	RECIPI	TATIO	N TYPE					DTHER	WEATHER	PHENDI	MENA	
WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HATL	PCPN AT 08 TIME	PCPN PAST HOUR	THOR	FOG WD PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST BLWG SNOW	NO SIG WEA
N NE	.3	• .2	.2	.0	.0	.0	.0	:7	:4	1.0	1.2	·1 *	1.7	.5	94.6 95.2 94.8
SE	0	1.0	.0	.0	.0	•0	.0	1.0	1.5	1.0	3.9	.0	.0	.0	92.5
SW	1.4	2.2	.8	.0	.0	.0	.0	3.8	2.7	1.3	1.8	.0	1.1	.0	92.2
NW VAR CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	96.7
TOT PCT	6309	.4	.2	.0	.0	.0	*	1.0	.6	.7	1.3		1.5	.2	94.7

TABLE 2

PERCENT FREQUENCY OF WEATHER DOCUMENCE BY HOUR

									 	and the same of					
•			F	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHENO	MENA	
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PN PAST	THDR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	NO SIG WEA
00603 06609 12615	.5	.5	.3	.0	.0	.0	.0	1.4	.4 .6 .7	1.1	.9 1.1 1.8	•1 •1	1.1	·2 ·1 ·3	95.2 94.5 94.2
18821	.4	:4	.1	.0	.0	.0	.0	.9	.5	.3	1.4	.0	2.0	.4	94.5
TOT PCT	6552	.5	.2	.0	.0	•0	*	1.1	.5	.7	1.3		1.5	• 2	94.6

TABLE 3

				PEKE	ENTAGE	FREQUE	MCA LIE	MIND C	TRECTIL	IN BY SP	EED AN	U BY H	UUK				
		WI	ND SPE	ED (KN	ars:								HOUR	(GMT)			
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	FREQ	MEAN	00	03	06	09	12	15	18	21
N NE	2.4	12.6	7.5	2.5		.0		23.1	9.5	27.0			17.5	18.6	18.8	26.3	
E	.5	3.8		.2		.0		7.0	9.8	5.2	4.2	7.1	10.0	8.9	4.1	5.9	6.3
SE	.3	1.0	.2		.0	.0		1.5	6.8	1.2	1.4	1.4	2.3	2.0	.6	1.4	1.1
5	.4	1.0	.2	*		.0		1.6	6.9	1.5	.5	1.7	2.0	1.7	1.2	1.7	1.3
SW	.6	1.7	.6	*		.0		2.9	7.6	3.2	.0	3.0	2.9	2.8	.0	3.0	3.1
W	.7	2.0	.6		.0	.0		3.4	7.4	3.7	1.6	3.7	3.8	3.2	4.7	2.7	3.5
NW	1.0	3.2	.7	*		.0		5.0	6.9	4.7	3.3	4.1	4.8	4.6	6.2	6.0	6.2
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	2.8				-			2.8	.0	3.9	5.7	2.9	2.0	2.3	3.0	2.3	2.9
TOT DBS	1282	5830	4727	414	7	1	12261		10.2	2287	159	2349	1195	2599	166	2367	1139
TOT PCT	10.5	47.5			- 1			100.0			100.0	100.0	100.0	100.0		100.0	100.0

TA	BL	E	34

		WIND	SPEED	(KNOTS)						HOUR	(GMT)	
WND DIR	0-6	7-16	17-27		41+	TOTAL	PCT	MEAN	00	06	12	18	
						DRS	FREQ	SPO	03	09	15	21	
N NE	7.8	12.8	2.4	.1	.0		23.1	9.5	26.9	21.1	18.6	26.0	
NE	8.8	33.0	10.5	.4	*		52.7	11.9	50.2	53.8	56.2	50.6	
Ε	2.2	4.0	.9		*		7.0	9.8	5.2	8.1	8.7	6.0	
E SE	.8	.7		.0	.0		1.5	6.8	1.2	1.7	2.0	1.3	
S	.9	.7		.0	.0		1.6	6.9	1.4	1.8	1.7	1.6	
SW	1.4	1.3	.1		.0		2.9	7.6	3.0	2.9	2.6	3.0	
W	1.8	1.4	.1		.0		3.4	7.4	3.5	3.7	3.3	2.9	
NW	2.8	2.0	.1	.0	*		5.0	6.9	4.6	4.4	4.7	6.0	
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	
CALM	2.8						2.8	.0	4.0	2.6	2.4	2.5	
TOT OBS	3595	6844	1755	64	3	12261		10.2	2446	3544	2765	3506	
TOT PCT	29.3	54.8	14.3	.5			100.0		100.0	100.0	100.0	100.0	

nc	Tr	IR	2	0

PERIOU: (PRIMARY) 1921-1973 (OVER-ALL) 1855-1973

TABLE 4

AREA 0005 CENTRAL SPANISH SAHARA 24.7N 16.6W

PERCENTAGE	FREQUENCY	DF	WIND	SPEED	RY	HILLIE	(GMT)

				WIND	SPEED (KNOTS)			PCT	TOTAL
HOUR	CALM	1-3	4-10	11-21	22-33	34-47	48+	MEAN	FREQ	DBS
00603	4.0	8.3	46.4	37.5	3.6	.2	.0	10.1	100.0	2446
90300	2.6	6.8	47.9	39.2	3.4	.1	*	10.3	100.0	3544
12615	2.4	7.3	47.2	39.3	3.8	.0	.0	10.3	100.0	2765
18621	2.5	8.3	48.3	38.0	2.8	.0	.0	10.0	100.0	3506
TOT	342	940	5830	4727	414	7	1	10.2		12261
PCT	2.8	7.7	47.5	38.6	3.4	.1			100.0	

P	CT FRE		OTAL (DIREC	TION	EIGHTHS)							CEILIN NH <5/					
WND DIR	0-2	3-4	5-7	8 E 085CD	TOTAL	CLOUD	000 149	150 299	300 599	600 999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8	
N	17.1	3.9	3.3	1.3		2.0	.1			.2	.8	1.1	.4	.1	.1	.2	22.5	
NE	32.9	9.1	8.9	2.6		2.3	.1		.1	.4	2.4	2.2	.9	.4	.3	.6	46.1	
E	2.3	. 8	1.4	.4		3.3	.0	.0	.0	.2	.3	.4	.2	*	*	. 1	3.8	
SE	.6	.3	.3	.1		3.3	.0	.0	.0		.1	*	*	*	.0	*	1.1	
S	.6	.3	.5	.1		3.5	.0		.0	.1		.1	.1	.0	*	*	1.1	
SW	1.2	.4	.5	.1		2.8	.0	.0		.1	.1	.1	.1	*	*	*	1.9	
W	1.4	. 5	.5	.1		2.7		.0	.0	.0	. 1	.1	.0	.1	.0	.0	2.2	
NW	2.9	1.0	.8	. 2		2.5		.0	*	.1	.1	.2	*	*	*	.1	4.3	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	2.4	.3	.4	.2		1.9	.0	.0	*	.0	.1	.1	.1		*	.1	2.7	
TOT DBS	3105	845	839	267	5056	2.3	10	5	11	56	205	221	87	35	26	58	4342	5056
TOT PCT	61.4	16.7	16.6	5.3	100.0		.2	.1	. 2	1.1	4.1	4.4	1.7	.7	.5	1.1	85.9	100.0

CUMUL	AT	IVE	PC	T	FRFQ	OF	SIMU	LT	ANFUL	s pc	CURRENC
DF	CE	TLI	NG	HE	IGHT	(NE	1 >4/	8)	AND	VSBY	(NM)
							4200				

					VSBY (NM				
	CEILING	= OR	= nR	- OR	= DR	= nR	. OR	= DR	# DR
	(FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
	OR >6500	1.3	1.7	1.7	1.7	1.7	1.7	1.7	1.7
	DR >5000	1.8	2.4	2.4	2.4	2.4	2.4	2.4	2.4
=	OR >3500	3.0	4.0	4.1	4.1	4.1	4.1	4.1	4.1
	DR >2000	5.9	8.2	8.4	8.4	8.4	8.4	8.4	8.4
	OR >1000	9.3	12.0	12.4	12.4	12.5	12.5	12.5	12.5
	Ok >600	10.1	13.1	13.5	13.5	13.6	13.6	13.6	13.6
	OR >300	10.2	13.3	13.7	13.8	13.8	13.8	13.8	13.8
	DR >150	10.2	13.3	13.8	13.8	13.8	13.9	13.9	13.9
	OR > 0	10.2	13.3	13.8	13.9	14.0	14.0	14.1	14.1
	TOTAL	532	694	722	725	729	732	733	733

TOTAL NUMBER OF OBS: 5213 PCT FREQ NH <5/8: 85.9

TABLE 74

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	OBS
40.5	17.2	13.9	8.5	5.2	3.5	4.2	3.1	3.8	.2	5489

DCTOBER

PERIOU: (PRIMARY) 1921-1973 (OVER-ALL) 1855-1973 TABLE 8 24.7N 16.6W

	022-11.3						1.41	0					-
		P	ERCENT		PITAT							CURRENC	E OF
VSBY (NM)		N	NE	E	SE	s	SW	W	NW	VAR	CALM	PCT	TOTAL
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	NO PCP	.1				.0	.0	.0	.0	.0	.0	.1	
	TOT %	.1		*		.0	.0	.0	.0	.0	.0	.1	
	PCP			.0					.0	.0	.0	.1	
1/2<1	NO PCP	.1	.1	.0		.1			.0	.0	.0	.3	
	TOT %	.1	.2	:0		:1			.0	.0	.0	.4	
	PCP	.0	.0	.0		.0	.0	.0	.0	.0	.0		
1<2	NO PCP	.1	. 1	.1	.0	.0	.0			.0	.0	.3	
	TOT %	.1	.1	.1	.0	.0	.0			.0	.0	.3	
	PCP			.0	.0	.0	.0			.0	.0		
2<5	NO PCP	.5	.7			*		*	*	.0	.1	1.3	
	TOT %	.5	.7				*			.0	.1	1.4	
	PCP	.1	.2			.1		.1		.0	.0	.6	
5<10	NO PCP	5.8	10.8	1.2	.3	.3	.5	.6	1.0	.0	.4	20.9	
	TOT %	5.9	11.1	1.3	.3	.4	.6	.7	1.0	.0	.4	21.5	
	PCP	.1	.2		.0		*	*		.0	.0	.3	
10+	NO PCP	19.0	39.9	4.0	1.2	1.2	1.9	2.1	4.1	.0	2.6	76.0	
	TOT %	19.0	40.1	4.0	1.2	1.3	1.9	2.1	4.1	.0	2.6	76.3	
	TOT DBS												6305
	TOT PCT	25.7	52.2	5.4	1.5	1.7	2.5	2.9	5.1	.0	3.0	100.0	

TABLE 9

PERCENT FREO OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

					WITH V	ARYING	VALUE	S UF V	ISIBIL	IIA			
(NM)	SPU	N	NE	E	SE	S	S W	W	NW	VAR	CALM	PCT	TOTAL
	0-3	*	*	.0	.0	*	*	*	.0	.0	*	*	
<1/2	4-10	*	*	.0	.0	.0	.0	.0	.0	.0		.1	
	11-21	.0	*	*	*	.0	.0	.0	.0	.0		*	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.1	*	*	*		*	*	.0	.0	*	.1	
	0-3			.0	*	.0	.0		.0	.0	.0		
1/2<1	4-10	*	.1	.0	*	*	*	*	.0	.0		.2	
	11-21	*	.1	.0	*	*	.0	.0	.0	.0		.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	*	.1	.0	*	.1		*	.0	.0	.0	.3	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	4-10	*	.1	*	.0	.0	.0	*	.0	.0		. 2	
	11-21	*	.1	*	.0	.0	.0	.0	*	.0		. 2	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	101 \$	•1	.2		.0	.0	.0	*	*	.0	.0	.3	
	0-3	.1		*	.0	.0	.0	.0	*	.0	*	.2	
2<5	4-10	.2	.2	*	*	*	*	*	*	.0			
	11-21	.2	.4	*	*	.0	.0	*	*	.0		.1	
	22+		.1	.0	.0	.0	.0	.0	.0	.0		.1	
	TOT %	.5	.8	.1	*	*	*		*	.0	*	1.5	
	0-3	.4	.3	.1	.1	• 1	.1	.1	.1	.0	.3	1.6	
5<10	4-10	2.6	3.5	. 5	.1	.2	.3	.3	.5	.0		8.1	
	11-21	2.1	6.0	.5	*	*	.1	.1	. 2	.0		9.0	
	22+	.2	.7	*	.0	.0	.0	*	*	.0		1.0	
	TOT %	5.3	10.5	1.3	.2	.3	.5	.5	. 8	.0	.3	19.7	
	0-3	1.9	1.4	.4	.2	.2	.3	.5	.7	.0	2.5	8.1	
10+	4-10	10.2	17.4	2.5	.8	.7	1.2	1.4	2.6	.0		37.0	
	11-21	6.0	21.2	1.7	. 1	.2	.3	.3	.6	.0		30.5	
	22+	.3	1.9	.1		.0	*	*	*	.0		2.4	
	TOT %	18.4	41.9	4.7	1.2	1.1	1,9	2.3	4.0	.0	2.5	77.9	
	TOT OBS												8804
	TOT PCT	24.5	53.5	6.1	1.5	1.5	2.4	2.9	4.8	.0	2.9	100.0	

OCTUBER

PERIOD: (PRIMARY) 1921-1973 (UVER-ALL) 1855-1973

TABLE 10

AREA 0005 CENTRAL SPANISH SAHARA 24.7N 16.6W

PERCENT FREQUENCY OF CEILING HFIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUK

HOUR (GMT)	000	150 299	300 599	600 999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8U00+	TOTAL	NH <5/8 ANY HGT	TOTAL
60300	.0	• 2	.1	1.0	2.9	3.2	.9	.4	.5	1.3	10.5	89.5	1269
90360	.5	.1	.1	1.2	6.0	4.4	1.9	.9	.6	.6	16.4	83.6	1291
12615	.1	.1	.4	1.1	4.2	5.6	1.8	.7	.5	1.4	15.9	84.1	1500
18821	.1	-1	.2	.9	2.4	3.4	1.8	.7	.4	1.3	11.3	88.7	1353
TOT	10	5	11	57	210	228	88	36 .7	28	63	736 13.6	4677 86.4	5413

TABLE 11

TABLE 12

		PERCENT	FREQUEN	CY VSBY	(NM)	RY HOUR		CUMULAT	CEILIN	FREQ G HGT	(FEET	GES OF NH >4/8), BY HOUR	AND/OR
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TUTAL	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL
00603	.1	.3	.3	1.3	19.4	78.7	1951	00603	.0	.3	2.6	9.1	88.2	1217
90380	.2	.4	.4	1.5	20.9	76.5	2451	90360	.6	.8	3.2	14.6	82.2	1237
12615	• 2	.3	.2	2.0	17.7	79.5	2207	12815	•1	.7	3.6	13.9	82.5	1456
18821	.1	.4	.5	1.2	21.2	76.7	2438	18821	.1	.4	2.5	10.2	87.3	1303
TOT	14	32	30	136	1798	7037 77.8	9047	TOT PCT	10	29	157	626	4430 85.0	5213 100.0

TABLE 13

TABLE 14

						-														
	PERCE	ENT FR	EQUENC	Y OF R	ELATIV	E HUMI	DITY B	Y TEMP				PERC	ENT FR	EQUENC	Y OF W	IND DI	RECTIO	N BY T	EMP	
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	DBS	FREQ	N	NE	:	SE	s	SW	W	NW	VAR	CALM
85/89	.0	.0	.0	*	.0	.0	.0	.0	1	*	.0	*	.0	.0	.0	.0	.0	.0	.0	.0
80/84	.0	*	.1	.1	.1	.3	*	.1	31	.6	.2	.2	*	*	.0	.0	*	.1	.0	.1
75/79	.0	*		. 4	2.0	6.3	4.1	.9	682	13.7	3.3	6.7	.9	. 2	.2	.5	.4	1.2	.0	.3
70/74	.0	.0	.0	. 2	4.3	20.1	32.5	15.8	3639	72.9	17.9	38.9	4.0	1.2	1.2	1.9	2.1	3.8	.0	1.9
65/69	.0	.0	.0	. 1	.2	1.9	6.5	4.1	635	12.7	3.4	8.1	.4	.1	.1	.1	.1	. 1	.0	.4
60/64	.0		.0	.0	.0	.0	*	.1	4	.1	.1	*	.0	.0	.0	.0	.0	.0	.0	.0
TOTAL	0	2	4	34	327	1426	2153	1046	4992	100.0										
PCT	- 0		. 1	- 7	6.6	28.A	43.1	21.0			24.9	53.8	5.3	1.5	1.5	2.4	2.7	5.2	.0	2.7

TABLE 15

														1000000	-			
	MEANS,	EXTREME	ES AND	PERCEN	TILES	OF TE	MP (DE	G F) B	Y HOUR		PERC	ENT FRE	QUENCY	OF RELA	TIVE H	YTIGIMU	BY HOU	1
HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL	HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
£0300	82	77	75 75	71 72	68	66	61 54	71.4	2495 3575	00803	.0	.4	3.7	20.6	44.5	30.8	84	1222
12815	86 88	82 81	79 78	74 73	69	68	57 57	74.0	2738 3471	12615	.0	1.7	7.5	39.2	37.8	10.3	79 81	1330 1318
707	88	81	78	72	68	66	54	72.5	12279	TOT	0	42	342	1484	2221	1093	82	5182

OCTOBER

PERIOD: (PRIMARY) 1921-1973 (GVER-ALL) 1855-1973

TABLE 17

AREA 0005 CENTRAL SPANISH SAHARA 24.7N 16.6W

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	57	61	65	69	73 76	77 80	81 84	85 88	TOT	FOG	WD FOG
1111 011	00	04	00		10	00	04	00		. 00	100
17/19	.0	.0	.0	.0	.0	.0	*	*	2 9	.0	*
14/16	.0	.0	.0	.0	.0		.1	.1		*	.1
11/13	.0	.0	.0	.0	.1	.3	.2	.0	35	*	.6
9/10	.0	.0	.0	.1	.2	.4	. 1	*	44		.7
7/8	.0	.0	.0	.2	.7	.6	.1	.0	98	.0	1.7
6	.0	.0	.0	.2	. 8	.4	*	.0	85	. 1	1.4
5	.0	*	.1	.8	1.7	1.0	. 1	*	216	.1	3.6
4	.0	.0	. 1	1.5	2.1	.6	*	.0	265	.1	4.4
3 2	.0	.0	. 2	2.5	3.7	. 8	*	.0	431	.1	7.2
2	.0	.0	.9	4.9	4.9	. 8	.0	.0	679	. 2	11.3
1	.0	.0	1.5	7.8	6.4	.3	.0	.0	937	. 1	15.7
0	.0	.1	1.5	9.7	6.5	. 3	*	.0	1070	.3	17.8
-1	.0	. 1	.7	9.3	5.0	.1	*	.0	895	.2	14.9
-2	.0	*	. 8	6.8	1.8	.1	.0	.0	558	.1	9.3
-3	.0	.1	.5	3.4	.7	*	.0	.0	278		4.7
-4	.0	. 1	.5	1.5	.4	.1	.0	.0	149	*	2.5
-5		*	.3	. 8	.2	.0	.0	.0	81	*	1.4
-6	.0		*	.2	.1	.0	.0	.0	21	.0	.4
-7/-8	.0	*	.1	.4	.1	.0	.0	.0	37	*	.6
-9/-10	.0	*	.1	.1	.0	.0	.0	.0	11	.0	. 2
-11/-13	*	.0		.1	.0	.0	.0	.0	6 3	.0	.1
-14/-16	*	*	.0	*	.0	.0	.0	.0	3	*	*
TOTAL	3		428		2094		37			85	5825
		23		2976		342		7	5910		
PCT	.1	.4	7.2		35.4	5.8	.6	.1	100.0	1.4	98.6

PERIOD: (OVER-ALL) 1963-1973

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.3	2.5	.1	.0	.0	.0	3.9	.8	2.3	.3	.0	.0	.0	3.3
1-2	.7	7.4	1.7	.0	.0	.0	9.7	.4	11.4	4.9	.0	.0	.0	16.7
3-4	.1	3.4	3.6	.0	.0	.0	7.0	.2	5.7	12.2	.4	.0	.0	18.4
5-6	.0	.5	2.4	.3	*	.0	3.2	.0	1.1	7.1	.6	*	.0	8.8
7	.0	.0	1.1	.2	.0	.0	1.3	.0	.1	2.8	.7	.0	*	3.6
8-9	.0	.0	.2	.1	.0	.0	.3	.0	.0	.9	.4	.0	.0	1.3
10-11	.0	.0	.1	.1	.0	.0	.2	.0	.0	.3	.5	.0	.0	.7
12	.0	.0	*	.0	*	,0	*	.0	.0	.1	.2		.0	.2
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	*	*	*	.0	.1
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	. 2	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.1	13.8	9.2	.7	*	.0	25.8	1.3	20.5	28.5	2.9	*	*	53.2
101 101		1210	,	•		••	20.0	1.5	20.5	20.5	,			2312
				E							SE			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.5	*	.0	.0	.0	.7	.1	.2	.0	.0	.0	.0	.3
1-2	.2	1.4	.5	.0	.0	.0	2.1	.1	.6		.0	.0	.0	.7
3-4	.0	.7	.6	*	.0	.0	1.3	.0	.1	*	.0	.0	.0	.2
5-6	.0	.1	.4	.0	.0	.0	.5	.0	*	*	.0	.0	.0	.1
7	.0	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.0	. 0.	.0
8-9	.0	.0	*		.0	.0		.0	.0	.0	*	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	•0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	•0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.4	2.8	1.6		.0	.0	4.8	.2	1.0	.1		.0	.0	1.2

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE N C F/G 4/2 SUMMARY OF SYNOPTIC METEOROLOGICAL OBSERVATIONS (SSMO). WEST AF--ETC(U) AD-A031 778 NOV 76 NL UNCLASSIFIED 5 of 7 ADA031778 Maj 12 Maj 12 Maj 12 Maj 12

PERIOD:	COVE	-ALL)	1963-1	973					OCTOBER 18 (CONT	,			AREA	0005		SPANISH SAHARA
				PC	T FREQ DE	-	SPEED	(KTS)	AND DIRE	TION V	ERSUS S	EA HEIG	HTS (FT)			
				s								SW				
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1		.2	.0	.0	.0	.0	:7		.1	.5	.0	.0	.0	.0	.6	
1-2	.1	.7		.0	.0	.0	.7			.7	.2	.0	.0	.0	.9	
3-4	.0	.2		.0	.0	.0	.2			.2	.2	.0	.0	.0	.4	
5-6	.0		.1	.0	.0	.0	.1		.0	.1	.2	.0	.0	.0	.3	
7	.0		.0	.0	.0	.0			.0		.0	.0	.0	.0		
8-9	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
12	.0		.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
13-16	.0		.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
DT PCT	.1	1.2	.1	.0	.0	.0	1.3		.2	1.4	.6	.0	.0	.0	2.2	

											NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.3	.5	.0	.0	.0	.0	.8	.6	1.0	.0	.0	.0	.0	1.6	
1-2	.1	.9	.2	.0	.0	.0	1.2	.3	1.5	.2	.0	.0	.0	2.0	
3-4	.0	.3	.1		.0	.0	.4		.6	.3		.0	.0	1.0	
5-6	.0		.1	.0	.0	.0	.1	.0	.1	.3	.0	.0	.0	.4	
7	.0			.0	.0	.0	.1	.0			.0	.0	.0	.1	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.4	1.8	.4		.0	.0	2.6	.9	3.2	.9		.0	.0	5.0	96.7

	MIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	8.6	7.8	.4	.0	.0	.0	16.7	
1-2	2.2	24.1	7.5	.0	.0	.0	33.8	
3-4	• 3	11.1	16.6	.5	.0	.0	28.4	
5-6	.0	1.9	10.3	.9		.0	13.1	
7	•0	.1	4.0	.9	.0		5.1	
8-9	•0	.0	1.1	.5	.0	.0	1.6	
10-11	•0	.0	.4	.5	.0	.0	.9	
12	•0		.1	.2		.0	.3	
13-16	•0					.0	.1	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	•0	.0	.0	.0	.0	.0	.0	
23-25	•0	.0	.0	.0	.0	.0	.0	
26-32	•0	.0	.0	.0	.0	.0	.0	
33-40	•0	.0	.0	.0	.0	.0	.0	
41-48	•0	.0	.0	.0	.0	.0	.0	
49-60	•0	.0	.0	.0	.0	.0	.0	
61-70	•0	.0	.0	.0		.0	.0	
71-86	•0	.0	.0	.0	.0	.0	.0	
87+	•0	.0	.0	.0	.0	.0	.0	3508
TOT PCT	11.0	45.0	40.3	3.6	.1		100.0	

PERIO	o: cov	ER-ALL	1 194	9-197	3				TABLE	19											
					PERCENT	FRE	QUENCY OF	WA	VE HE 1	SHT (F	T) VS	WAVE PI	R100	(SECON	051						
PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN
6-7	2.3	12.4	12.3	7.3	2.3	1.8	:1	.2	:	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1566	3 5
8-9	.0	.8	2.2	3.3	2.2	1.1	.7	•1	:	.0	.0	.0	.0	.0	.0	.0		.0	.0	162	6
10-11	.0	.0	1.2	.5	.3	.1	.1	•1	.0	,0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100	5
NOET	5.2 315	5.7 890	5.3	4.3	1.7	.6	.0 .4 85	:1	112	.0	.0	.0	:0		:0	:0	:0	:0	:0	981	3
TOTAL	7.5	21.3	28.3	23.7		4.4		27	-			-0	-0	-0	.0	.0	-0	.0	.0	100.0	

NOVEMBER

PERIOD: (PRIMARY) 1921-1973 (OVER-ALL) 1854-1973

TABLE 1

AREA 0005 CENTRAL SPANISH SAHARA 24.7N 16.6W

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

			,	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
WNO DIR	RAIN	RAIN	ORZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	NO SIG WEA
N NE	:	.6	:1	:0	.0	•0	.0	1.2	:8	.2	1.2	:2	:2	:13	96.2
E SE	7.5	1.0	.0	.0	.0	•0	.0	9.7	1.1	1.5	1.4	.0	1.1		93.4
S	2.5	1.5	.9	.0	.0		.0	4.9	1.7	2.9	3.0	.3	.3	.3	86.9
NM	1.8	3.0	.4	.0	.0		.0	4.8	3.A 1.5	.7	2.8	.0	.6		87.2
CALM	.0	.0	.0	.0	:0	•0	.0	.0	.6	1.1	5.1	.0	2.0	.0	90.1
TOT PCT TOT OBS:	6187	.8	.1	.0	.0	.0		1,8	.9	1.0	1.7	.1	.7	.3	93.7

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNIIN	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	ND SIG WEA
00603 06609 12615 18621	.8 .9 .7	1.2 .8 .7	.1 .2 .1	.0	.0	.0	.0	1.6 2.2 1.6 1.8	.8 1.1 1.0	2.1 1.4 .2 .3	1.0 2.2 2.1 1.9	•1 •1 •2 •0	.9 .7 1.1	.2 .2 .2	93.5 92.2 93.6 94.4
TOT PCT	6475	.8	.2	.0	.0	•0		1.8	.9	1.0	1.8	.1	.8	.3	93.4

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		WI	ND SPE	ED (KN	OTS)								HOUR	(GMT)				
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	FREQ	MEAN	00	03	06	09	12	15	18	21	
N NE	1.6	7.7	24.5	3.9	.1	.0		14.6	9.6	16.3	19.6	14.9	10.9	13.0	12.1	16.7	12.9	
E	.7	5.6				.0		12.8	11.7	11.4		13.0		14.3	15.4	10.5	13.6	
SE	.5	1.8	.8	.1	.0	.0		3.2	8.5	2.2		3.5	4.1	4.2		2.7	2.3	
5	.5	2.0			.0	.0		3.6	9.1	3.4		3.5	2.8	3.8	6.0	4.0	3.6	
SW	.5	3.0	1.6			.0		5.3	9.3	5.5	6.9	5.4	3.9	5.5	6.9	5.5	4.6	
W	:7	2.4	1.1	.1		.0		4.2	8.6	3.9	6.5	4.6	4.3	3.9	4.4	4.4	3.8	
NW	.7	2.8	1.0	.1	.0	.0		4.6	8.2	4.5	4.4	4.3	4.3	4.1	5.9	5.4	5.2	
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	4.6							4.6	.0	6.3	6.0	5.1	3.3	4.2	4.3	4.2	3.1	
TOT OBS	1403	5238	4966	736	13	0	12356		10.7	2365	149	2356	1164	2605	141	2429	1147	
TOT PCT	11.4	42.4	40.2	6.0		.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

WND DIR	0-6	WIND 7-16	SPEED 17-27	(KNOTS) 28-40	41+	TOTAL	PCT	MEAN SPD	00	HDU 06 09	12 15	18 21
N NE	5.2	7.4	12.9	:1	.0		14.6	9.6	16.5	13.6	13.0	15.5
E SE	2.8	7.1	2.8	•2	.0		12.8	11.7	11.2	14.1	14.3	11.5
S	1.5	1.7	.4		.0		3.6	9.1	3.3	3.3	3.9	3.9
W	1.9	1.9	:		.0		4.2	8.6	4.0	4.5	4.0	4.2
VAR	4.6	2.0	:0	.0	.0		4.6	.0	6.2	4.5	4.2	3.8
TOT DBS	3587	6292	2394	123	0	12356	100.0	10.7	2514	3520	2746	3576

N				

PERIOD: (PRIMARY) 1921-1973 (OVER-ALL) 1854-1973

PERCENTAGE	FREQUENCY	OF	MIND	SPEED	HOUR	(GHT)

HOUR	CALM	1-3	4-10	#IND 11-21	SPEED 22-33		44+	MEAN		TOTAL
00603 06609 12615 18621	6.2 4.5 4.2 3.8	7.2 6.4 6.8 6.8	41.5 42.5 41.3 43.8	39.4 40.1 41.6 39.7	5.6 6.4 6.0 5.7	:1	.0	10.9	100.0	2514 3520 2746 3576
PCT	568	6.8	5238	4966	736	13	0	10.7	100.0	12356

			A MIN	DIREC	TION	MEAN			PERCEN		CURREN			8 8Y W		RECTI		
WND DIR	0-2	3-4	5-7	08 SCD	TOTAL	COVER	000 149	150 299	300 599	600	1000	2000 3499	3500 4999	5000 6499	6500	8000+	NH <5/8	TOTAL
N.	10.0	4.0	3.1	.8		2.5	.1		.0	.3	.9							
NE	22.2	9.1	9.1	2.9		2.9				.6	2.0	2:2	:8	• 1	-135	.2	15.4	
E	5.1	1.7	2.1	.7		2.9			.0					**	•1	.7	36.4	
SE	1.0	.4	.9	.5		4.1				.2	.5	.5	.2	.1		.1	7.9	
S	1.4	1.0	1.5	.5		4.0		.0		.2	.3	.2	1	.0		.2	1.8	
SW	2.4	1.7	2.3					.0	/	.3	.5	.2	.1		.1		3.1	
	2.0		1.3			3.8	1000	.0	.1	.3	.5	.5	.2				5.2	
NW	2.4			• • •		3.2	.1	.0	.0	.1	.3	.2	.1		.0		3.4	
VAR		1.3	1.1	.2		2.9		.0		.2	.3	.1	.1		.0			
	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0			4.2	
CALM	3.9	1.0	. 8	.5		2.3		.0		C 100 000 000 000 000 000 000 000 000 00		.2			.0	.0	.0	
OT OBS	2516	1036	1103	343	4998	2.9	19		11	111	270		:1	35		.1	5.3	
DT PCT	50.3	20.7	22.1	6.9	100.0							246	98		13	65	4128	4998
		The state of					.4	100	.2	2.2	5.4	4.9	2.0	.7	.3	1.3	82.6	100.0

TABLE 7

COMOLATIVE	PCT	FREQ	OF	SIMULTANEOUS	DCCURRENCE
OF CETL TI	UC MI	THOTE	/ NI	1 34 /81 AND V	

				VSBY (NM	1)			
CEILING	= NR	= GR	- CR	- OR	- nR	- OR	. OK	- OR
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
= OR >6500	1.4	1.6	1.6	1.6	1.6			
* DR >5000	2.0	2.3	2.3	2.3		1.6	1.6	1.6
■ OR >3500	3.8				2.3	2.3	2.3	2.3
		4.3	4.3	4.3	4.3	4.3	4.3	4.3
■ DR >2000	7.7	9.0	9.1	9.1	9.1	9.1	9.1	9.1
■ OR >1000	12.2	14.2	14.5	14.5	14.6	14.6	14.6	
■ OR >600	13.8	16.4	16.7	16.7	16.7			14.6
■ DR >300	13.8					16.7	16.7	16.7
• DR >150		16.6	16.9	16.9	16.9	16.9	16.9	16.9
	13.9	16.6	16.9	16.9	17.0	17.0	17.0	17.0
• DR > 0	13.9	16.7	17.0	17.1	17.1	17.2	17.3	17.3
TOTAL	723	865	885	888	849	893	896	899

TOTAL NUMBER UF 085: 5193 PCT FREQ NH <5/8: 82.7

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3		5	6	7		OBSCD	TOTAL
32.5	16.9	14.3	11.3	7.3	4.8	4.3	4.0	4.2	1	5441

				N	

PERIOD: (PRIMARY) 1921-1973 (QVER-ALL) 1854-1973

TABLE 8

AREA 0005 CENTRAL SPANISH SAHARA
24.7N 16.6W

		,	ERCENT	PREC	OF WIN	D DIRE	TH VAR	VS DCC	URRENC!	F VIS	IBILI	CURRENC	E OF	
VSBY (NM)		N	NE	·	se	s	SW		NW	VAR	CALM	PCT	TOTAL	
	PCP NO PCP	:0	.0	.0	.0	:0	.0	.0	.0	.0	.0	:0		
<1/2	TOT \$.1		.0	.0	:1	.1			.0	.2			
	PCP		.0	.0	.0	.0	.0	.0		.0	.0			
1/2()			.1	i	.0	.0				.0		.3		
	TOT &		.1	:1	.0	.0				.0		:3		
	PCP	.0	.0	.0	.0	.0		.0	.0	.0	.0			
142	NO PCP				.0	.0	.0	.0	.0	.0		.1		
	TOT \$.0	.0		.0	.0	.0		.1		
	PCP			.0	.1	.0	.0			.0	.0			
2<5	NO PCP	.2	.6	.1		.1	.1			.0	.1			
	TOT \$.2	.6	.1	•1	.1	.1	.1	•1	.0	•1	1.4		
	PCP	.1	.2	.1	.1	.1	.2	.1	.1	.0		1.0		
5<10	NO PCP	2.7	6.5	1.8	.4	.7	1.1	.8	.8	.0	.9			
	TOT \$	2.8	6.7	1.9	.6		1.2	1.0	.8	.0	.9	16.7		
	PCP	.1	.2		.1	.1	.1			.0		.6		
10+	NO PCP	14.2	35.6	7.6	2.0	3.6	5.4	3.3	4.1	.0	4.6			
	TOT \$	14.3	35.8	7.7	2.1	3.7	5.4	3.4	4.1	.0	4.6	81.0		
	TOT 085											deline and	6173	
	TOT PCT	17.4	43.3	9.7	2.8	4.7	6.9	4.5	5.0	.0	5.7	100.0		

TABLE 9

				100		100				wan			TOTAL
VSBY	SPD KTS	N	NE	E	SE	S	SW		NW	VAR	CALM	PCT	DBS
	0-3			.0	.0			.0	.0	.0	.1	.2	
<1/2	4-10		.0	.0	.0		.1			.0		.2	
	11-21	.0	.0	.0	.0	.0			.0	.0			
	22+ TO1 %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	
	101 %	.1		.0	.0		.1			.0			
	0-3	•			.0	.0			.0	.0		.1	
1/2<1		:			.0	.0			.0	.0		.1	
	11-21		.1		.0	.0	.0	.0		.0		•1	
	22+ TOT \$.0	.1	.0	.0	.0	.0	.0	.0	.0		.2	
	101 %			100	.0	.0		100	i el su a l			40.	
	0-3		.0	.0	.0	.0	.0	.0	.0	.0			
1<2	4-10	.0					.0		.0	.0			
	11-21			.0	.0	.0	.0	.0	.0	.0			
	22+	.0	.0	.0	.0	.0		.0	.0	.0			
	TOT \$.0	.0		.1	
	0-3		.1			.0		.0	.0	.0		.2	
245	4-10	.1	.2							.0		.4	
	11-21	.1	.3							.0		.5	
	22+		.1			.0	.0	.0	.0	.0		.1	
	TOT %	.2	.6	.1	•1		.1	.1	.1	.0		1.2	
	0-3	.2	.3	.1	.1	.1	.1	.1	.1	.0	.8	1.9	
5<10		1.4	2.1	.8	.3	.4	.6	.4	.4	.0		6.3	
	11-21	.7	3.4	.7	.1	.2	.3	.3	.2	.0		5.8	
	22+	.1	.7	.1					*	.0		1.0	
	TOT \$	2.4	6.4	1.7	.6	.7	1.0	.8	.7	.0	.8	15.0	
	0-3	1.4	1.5	.5	.3	1:7	.4	.5	.6	.0	4.1	9.6	
10+	4-10	7.3	15.1	4.3	1.2	1.7	2.5	1.8	2.5	.0		36.4	
	11-21	4.5	20.2	3.9	.6	.9	1.3	.6	. 8	.0		32.8	
	22+	6	2.9		.1		.1	20	- :	.0		4.2	
	TOT %	13.8	39.7	9.0	2.2	3.0	4.3	3.0	3.9	.0	4.1	83.0	
	TOT OBS							2.			The Ji		8762
	TOT PCT	16.5	46.8	10.9	2.8	3.7	5.5	3.9	4.7	.0	5.1	100.0	

PERIOD: (PRIMARY) 1921-1973 (OVER-ALL) 1854-1973

AREA 0005 CENTRAL SPANISH SAHARA
24.7N 16.6W

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

					50.00		1000			THE R. P. LEWIS CO., LANSING, MICH.			
HOUR (GMT)	000 149	150	300 599	600	1000	2000 3499	3500 4999	5000 6499	6500	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL
00603	.5	-1	.1	1.5	4.6	4.1	1.3	.5	.2	1.0	14.0	86.0	1297
06609	201 60	.0	.1	1.6	5.2	4.9	1.7	.9	.3	1.7	17.1	82.9	1274
12615	.3	-1	.4	2.3	5.7	5.9	1.9	.7	.2		18.3	81.7	1466
18621	.1	.0	.3	2.6	5.3	3.7	2.7		.3	1.5	17.3	82.7	1361
TOT	19	2	12	112	202	254	104	37	14	.67	903	4495	5398

TABLE 11

TABLE 12

		PERCENT	FREQUEN	CY VSEY	(NM)	BY HOUR		CUMULAT	TVE PCT	FREQ IG HGT	OF RAN	GES OF NH >4/8	VSBY (NM)	AND/OR
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL
00603	.2	.3	.1	1.7	14.8	82.8	2005	60300	.6	.8	3.7	12.0	84.3	1241
90300	.8	.3	•1	.7	17.2	80.9	2407	90300	.4	1.0	3.9	15.0	81.1	1223
12815	.6	.2	.2	1.6	12.5	84.9	2182	12615	.2	.8	4.6	15.3	80.1	1414
18621	.2	.2	-1	1.1	15.9	82.4	2458	18621	.2	.5	4.3	14.5	81.2	1315
PCT	43	24	13	113	1373	7486	9052	TOT PCT	17	40	215	740	4238 81.6	5193 100.0

TABLE 13

TABLE 14

N NE E SE S SM M NM VAR CALM

* * * * * .0 .0 .0 .0 .0 .0 .0

.7 1.6 .5 .1 .1 .3 .3 .3 .0 .2 .3

8.5 24.4 6.4 1.7 2.5 4.7 2.8 3.2 .0 2.0

7.5 18.6 3.5 1.1 1.8 1.6 1.1 1.6 .0 2.1

* * * * 1 * * .0

.0 .0 .0 * * * .0 .0 .0 .0 .0

6.9 44.9 10.4 3.0 4.4 6.7 4.2 5.0 .0 4.6

TABLE 15

HEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR
HOUR MAX 99% 95% 50% 5% 1% MIN MEAN TOTAL
(GMT)
00603 82 75 73 69 65 65 50 69.3 2585
06609 82 75 73 69 65 62 50 69.2 2581
12615 84 80 77 72 67 64 54 71.6 2727
18621 83 79 76 71 66 64 50 70.8 3586
TOT 84 78 75 70 66 63 50 70.2 12479

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR 0-29 30-59 60-69 70-79 80-89 90-100 MEAN TOTAL
(GAT) 00503 .0 1.7 8.8 27.8 40.5 21.2 81 1210

r0609 .0 1.7 11.9 26.0 37.3 23.1 81 1245
12615 .0 4.3 19.6 38.5 30.4 11.3 77 1283
18621 .0 2.4 15.1 36.3 33.1 13.2 78 1282
107 107 0 128 699 1567 1799 857 79 5020

HOVEMBER

PERIOD: (PRIMARY) 1921-1973 (UVER-ALL) 1854-1973

0 0

TABLE 17

AREA 0005 CENTRAL SPANISH SAHARA 24.7N 16.6W

0 0

			VS	ATR-	SEA T	EMPER	ATURE	DIFFE	RENCE	(DEG F)			
AIR-SEA	49	53	57	61	65	69	73	77	81	TOT		MO	
THP DIF	52	56	60	64	68	72	76	80	94		FUG	FOG	
14/16	.0	.0	.0	.0	.0	.0		.0		3	.0	-1	
11/13	.0	.0	.0	.0	.0			.1	.1	14	.0	.2	
9/10	.0	.0	.0	.0	.0		.2	.2	.1	29		.5	
7/8	.0	.0	.0	.0		.1	.5	.2	.1	49	.0	.8	
	.0	.0	.0	.0	.0	.2	.5	.1	.0	45	4.0	.7	
. 5	.0	.0	.0	.0	.1	.6	1.0	.2	.0	111		1.9	
4	.0	.0	.0	.0	.2	1.2	1.4	.1		173	.1	2.9	
3	.0	.0	.0	.0	.5	2.4	1.8	.2	.1	288	.1	4.8	
2	.0	.0	.0	.1	. 8	4.8	2.8	.1	.0	498	.2	8.4	
1	.0	.0	.0	.1	2.1	8.2	3.0	.1	.0	787	.2	13.2	
0	.0	.0	.0	.2	4.4	10.7	2.7			1053	.5	17.5	
-1	.0	.0	.0	.1	4.4	11.6	1.4	.0	.0	1020	.3	17.2	
-2	.0	.0	.0	.1	3.7	7.9	1.0		.0	743	.2	12.6	
-3	.0	.0	.0		2.7	4.6	.2	.0	.0	441	.1	7.5	
-4	.0	.0	.0	.2	2.1	1.6	.1	.0	.0	234	.2	3.8	
-5	.0	.0		.3	1.1	.9		.0	.0	139		2.3	
-6	.0	.0	.0	.1	.4	.4		.0	.0	54	.0	.9	
-7/-8	.0	.0		.3	.6	.2		.0	.0	65	.0	1.1	
-9/-10	.0	.0	.1	.1	.2	.1		.0	.0	28	.0	.5	
-11/-13	.0		.1	.1	.1		.0	.0	.0	24		.4	
-14/-16	.0	.1	.2	.0	.0	.0	.0	.0	.0	16		.3	
-17/-19		.1	.0	.0	.0	.0	.0	.0	.0	. 8		.1	
-20/-22	.3		.0	.0	.0	.0	.0	.0	.0	18		.3	
-23/-25		.0	.0	.0	.0	.0	.0	.0	.0	1	.0		
TOTAL	19	40.11	25		1374		966		21		111	5730	
Scool le		16		93	- All	3247		80		5841	177.50		
PCT	.3	.3	.4	1.6	23.5		16.5	1.4	.4	100.0	1.9	98.1	

PERIOD: (DVER-ALL) 1963-1973

								TABLE	18						
				PC	T FREQ D	F WIND	SPFED	(KTS) AND	DIRE	CTION V	ERSUS S	EA HEIG	HTS (FT)		
HGT	1-3	4-10	11-21	N 22-33	34-47	48+	PCT		1-3	4-10	11-21	NE 22-33	34-47	48+	PCT
<1	.8	1.8	.1	.0	.0	.0	2.8		.6	2.0	.1	.0	.0	.0	2.8
1-2	.4	4.7	.9	.0	.0	.0	6.0		.3	7.4	2.9	.0	.0	.0	10.6
3-4		1.8	2.6	.1	.0	.0	4.5		.1	4.0	8.4	.5	.0	.0	13.0
5-6	.0	.5	2.1	.2	.0	.0	2.8		.0	1.3	7.9	1.1	.0	.0	10.4
7	.0	.1	.7	.4	.0	.0	1.2		.0	.1	2.1	.9	.0	.0	3.1
8-9	.0	.1	.3	.1	.0	.0	.5		.0		.9	.9		.0	1.9
10-11	.0		.1		.0	.0	.1		.0		.2	.4	.1	.0	.6
12	.0	.0		.0	.0	.0			.0	.0	*	.2		.0	.2
13-16	.0	.0	.1		.0	.0	.1		.0	.0		.1	.0	.0	.1
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0		.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.3	9.0	7.0	.,		:0	10.2		1.0	14.9	22.6	4.0	:1	:0	42.7
												SE			0.4
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2		.1	.0	.0	.0	1.1		.2	.3	.0	.0	.0	.0	.5
1-2	.1	1.9	.7	.0	.0	.0	2.0		.2	.6	.2	.0	.0	.0	1.0
3-4	.0	1.4	1.5		.0	.0	3.0		.0	.3	.2	.0	.0	.0	.5
5-6	.0	.4	1.2	.1	.0	.0	1.7		.0		.1	.1	.0	.0	.2
7	.0	.0	.2	.1	.0	.0	.2		.0	.0	.2		.0	.0	.2
0-9	.0		.1	.1	.0	.0	.3		.0	.0			.0	.0	.1
10-11	.0			.1	.0	.0	.2		.0				.0	.0	
12	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	3:	.0	.0			.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0		.0	.0			.0	.0	.0	.0	.0	.0	.0
23-25	:0	.0	:0	:0	.0	:0	:0		.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	:0	.0
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	4.6	3.9	.5	.0	.0	9,3		.4	1.2	.7	.1	.0	.0	2.4

PER 100	INVE		1963-	1973				HOVEMBER	Ner.			ADEA	0005	CENTRAL	SPANISH SAHARA
								TABLE 18 (CO	(T)				24	.7N 16	SPANISH SAHARA
					T FREO 0		SPEED	(KTS) AND DIS	ECTION	VERSUS !	EA HEI	HTS (FT	,		
HGT	1-3	4-10	11-21	\$ 22-33	34-47	48+	PCT	1-1	4-10	11-21	22-33	34-47	48+	PCT	
(1	.2			.0	.0	.0	.5			11-61	.0	.0	.0		
1-2	.2	1.2			.0	.0	1.0		2.2		.0	.0	.0	2.7	
3-4	.0	.5	.5	.0	.0		1.8 1.1 .5 .1 .1 .0 .0 .0 .0 .0 .0 .0 .0		.7	:5	.0	.0	.0	1.7	
5-6	.0	.2	.3	.0	.0	.0	.5		1	.4	.0	.0	.0	.5	
7	.0	.0	.1	.0	.0	.0	.1		.0	.1		.0	.0	.2	
8-9	.0	.0			.0	.0	.1		.0		.1		.0	.2	
10-11	.0		.1	.0	.0	.0	.1		.0		.0	.0	.0		
13-14	.0	:0	.0	.0	.0	.0	.0	.(• • • •	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	•	.0		.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0		.0		.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0		.0		.0		.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0		.0		.0	:0	.0	.0	:0	.0	
33-40	.0	.0		.0	.0	.0	.0			.0	.0	.0	.0	.0	
33-40 41-48	:0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10T PCT	.0	.0	.0	.0	.0	.0	.0		.0 .0	.0	.0	.0	.0	.0	
TOT PCT	.3	2.3	1.6	.1	•0	.0	4.3		3.7	2.0	.1		.0	6.4	
											NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3		11-21	22-33	34-47	48+		PCT
<1	.5				.0	.0	1.4		7		.0	.0	.0	1.1	
1-2	.2	:5	.1	.0	.0	.0	1.2	::	2.0	.1	.0	.0	.0	2.2	
3-4	.0	.5	.5	.1	.0	.0	1.0		. 4	.5		.0	.0	1.0	
5-6	.0	:	• •		.0	.0	:				:	.0	.0	:3	
7-9	.0		.,	.0	.0	.0	• 1	•	:	.3	.0	.0	.0		
10-11	.0		.1		.0	.0						.0	:0		
12	.0	.0	.0	-0	.0	.0	.0	•0	.0		.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0		.0		.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0		.0		.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	. (.0		.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	••••••••••••	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	
61-70 71-86	.0	.0	.0	.0	.0	.0	.0	• 6	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	•	.0	.0	:0	.0	.0	.0	
TOT PCT	:0	2.3	.0	.0	•0	.0	.0		3.2	1.3	:1	:0	.0	5.0	92.5

	MIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	12.4	7.6	.3	.0	.0	.0	20.3	003
1-2	2.1	20.5	5.8	.0	.0	.0	28.3	
3-4	•1	9.4	14.9	.7	.0	.0	25.1	
5-6	.0	2.6	12.2	1.5	.0	.0	16.4	
7	.0	.2	3.7	1.4	.0	.0	5.3	
8-9		.2	1.5	1.3	.1	.0	3.0	
10-11	.0	.1	.4	.6	.1	.0	1.1	
12	.0	.0	.1	.2		.0	.3	
13-16	.0	.0	1	.1		.0	.3	
17-19	.0	.0	.0		.0	.0		
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	•0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
	.0		SAL				300	3585
TOT PAT	14.4	40-5	19.0	5.4		. 0	100.0	

PERIO	D: (Q)	ER-ALL) 194	9-197	,				TABLE 1	9											
					PERCENT	FRE	PUENCY	OF W	AVE HEIGH	T (F	T) ys	WAVE P	R100	SECONO	151						
PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	1;	2 13-16 1	7-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	HEAN HGT
8º-7	2.7	2.0	11.2	7.2	4.2	1:7	1:2		: .;	.0	:0	.0	:0	:0	:0	:0	:0	.0	.0	963	3
10-11		.5	1.5	2.9	2.4	1.1	1.2	•	2	:1	.0	.0	:0	.0	.0	.0	.0	.0	.0	190	6
12-13	.0	.0	1.1	.5	.2	.4	.1				.0		.0	.0	.0	.0	.0	.0	.0	115	6
>13	0	0	0	.3	1	1	•1	•	0 .1	.0			.0	.0	.0		.0	.0	.0	987	7
TOTAL	365	771	1086	925	532	254	159		7 56	11	.0	.0	.0	.0	.0	.0	.0	.0	.0	4207	- 4
PCT	8.7	18.3	25.8	22.0		6.0	1.8	1.		.3		.0	.0	.0	.0	.0	.0	.0	.0	100.0	

DECEMBER

PERIOD: (PRIMARY) 1922-1973 (OVER-ALL) 1855-1973

TABLE 1

AREA 0005 CENTRAL SPANISH SAHARA 24.7N 16.6W

PERCENT	FREQUENCY	OF	WEATHER	DCCURRENCE	BY	MIND	DIRECTION	

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	DTHER FRZN PCPN	HATL	PCPN AT DB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SHOKE	SPRAY BLWG DUST BLWG SNOW	
N NE E SE	:1	:9	:1	.0	:0	.0	.0	1:6	1.1	:6	:7	.0	.2	:1	95.9
	.5	.5	.2	.0	.0	•0	.0	1.2	.8	.7	.8	.0	.7		95.7
SE	1.1	.0	.7	.0	.0	.0	.0	1.8	.0	.4	1.1	.0	1.1	.2	95.6
S	1.0	.5	.0	.0	.0	.0	.0	1.5	.0	.0	.8	.0	1.5	.0	96.2
SW	.8	3.7	1.6	.0	.0	.0	.0	6.1	1.0	2.5	1.0	.0	.0	.0	90.2
W	.7	2.8	.0	.0	.0	.0	.0	3.4	4.7	2.0	.0	.0	.0	.0	90.6
NW	.6	4.2	.5	.0	.0	.0	.0	5.3	2.7	.0	.0	.0	.0	.0	92.1
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.6	.0	.0	.0	.0	.0	.0	.6	.6	.0	1.8	.0	.6	.0	96.3
TOT PCT	6625	.9	.2	.0	.0	.0	.0	1.4	.•	.4	.6	•	.6	.3	95.8

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

				RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
HOUR (GHT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	NO SIG WEA
00603 06609 12615 18621	:3	1.1	.2 .2 .1	.0	.0	.0	.0	1.0 1.8 1.3 1.4	1.2 1.0	.9	1.1	.0 .0 .1	.5	.1 .1 .4 .6	96.3 94.8 96.3 96.0
TOT PCT	.3	.9	.2	.0	.0	•0	.0	1.4	.0	.4	.7	•	.6	.3	95.8

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		WI	ND SPE	ED (KN	OTSI								HOUR	(GHT)				
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	FREQ	MEAN SPD	00	03	06	09	12	15	18	21	
N NE	1.2	17.8	4.3		.3	.0		11.5	10.3	13.0		12.5						
E	1.0	7.3	8.0			.0		17.5	11.8	13.1	11.4	16.2						
SE	.4	1.8	.6	.1	.0	.0		2.9	8.4	2.0	1.6	2.3	4.2	4.1	1.3	2.3	3.0	
S	.4	1.1	.3		.0	.0		1.9	7.2	1.6	2.0	1.7	2.2	1.9	1.8	2.0	2.2	
SW	.4	1.4	.6			.0		2.5	8.7	2.5	2.0	2.7	3.0	2.4	.7	1.9	3.9	
*	.5	1.2	.7	.2		.0		2.6	9.8	2.5	1.8	2.8	2.7	- 2.3	1.9	2.9	2.8	
NW	.4	1.9	.9	.1	.0	.0		3.3	9.1	3.1	1.8	3.4	3.4	3.1	3.4	3.5	3.3	
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	2.8							2.8	.0	4.0	2.6	3.3	2.1	2.1	1.2	2.3	2.8	
TOT OBS	1094	4889	5771	1066	43	0	12863		11.9	2492	153	2480	1165	2680	169	2544	1180	
TOT PCT	8.5	38.0	44.9	8.3	. 3	-0		100.0	W 20 10 10 10 10 10 10 10 10 10 10 10 10 10	100.0	100-0	100.0	100.0	100.0	100.0	100.0	100-0	

TABLE 3A

WND DIR	0-6	WIND 7-16	SPEED 17-27	(KNOTS) 28-40	41+	TOTAL	PCT	MEAN SPD	00	06 09	12 15	18 21
N NE	3.7	30.1	16.9	1:4	.0		11.5	10.3	13.0	11.1	9.4	
SE S	3.4	10.3	3.6	.2			17.5	11.8	13.0	18.7	21.2	16.8
SE	1.3	1.4	.2		.0		2.9	8.4	2.0	2.9	3.9	2.6
5	1.1	.6	.1		.0		1.9	7.2	1.6	1.9	1.9	2.0
SW	1.1	1.1	.2		.0		2.5	8.7	2.5	2.8	2.3	2.6
	1.1	1.0	.4	.1			2.6	9.8	2.5	2.8	2.3	2.8
NW	1.4	1.5	.4		.0		3.3	9.1	3.0	3.4	3.1	3.4
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	2.8						2.8	.0	3.9	2.9	2.0	2.5
TOT OBS	2888	6671	3051	250	3	12963		11.9	2645	3645	2849	3724
TOT PCT	22.5	51.9	23.7	1.9			100.0		100.0	100.0	100.0	100.0

PERIOD: (PRIMARY) 1922-1973 (OVER-ALL) 1855-1973

TABLE 4

AREA 0005 CENTRAL SPANISH SAHARA 24.7N 16.6W

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GAT)

				WIND	SPEED (KNOTS)			PCT	TOTAL
HOUR	CALM	1-3	4-10		22-33		48+	MEAN	FREQ	OBS
60300	3.9	5.7	35.9	45.4	8.8	.3	.0	12.0	100.0	2645
90300	2.9	5.4	39.6	43.6	8.3	.3	.0	11.8	100.0	3645
12615	2.0	5.3	35.8	47.3	9.2	.4	.0	12.4	100.0	2849
18621	2.5	6.4	39.7	43.9	7.3	.3	.0	11.7	100.0	3724
TOT	359	735	4889	5771	1066	43	0	11.9		12863
PCT	2.8	5.7	38.0	44.0	8.3	.3	.0		100.0	12000

TABLE 5

TABLE 6

	CT FRE			CLOUD A		EIGHTHS)			PERCEN	TAGE F	REQUEN	CY OF	CEILIN NH <5/	G HET	HTS (T,NH	>4/8)	
WND DIR	0-2	3-4	5-7		TOTAL	MEAN CLOUD COVER	000	150 299	300 599	600 999	1000 1999	2000	3500 4999	5000 6499			NH <5/8 ANY HGT	
N	7.6	2.4	3.0	.8		2.7		.0		.3	.8	.8	.4	.1		.2	11.1	
NE	31.7	10.8	14.2	4.1		2.9		.0	.1	1.1	4.4	3.4	1.7	.3	.6	.9	48.3	
	7.8	1.9	2.8	1.0		2.6	.0	.0		.3	.7	.7	.3	.1	.1	.2	11.2	
SE	1.1	.2	.4	.1		2.6		.0	.0		.1	.1	.1		.0		1.5	
S	.6	.2	.3	.2		3.4	.0	.0	.0		.1	.1		.0			1.0	
SW	.5	.3	.4	.2		3.8	.0	.0	.0		.1	.1	.1	.0	*	.0	.9	
	.8	.7	.4	.1		3.2	.0	.0	.0	.1	.1	.1		.0	.0		1.6	
NW	1.3	.8	.8	.2		3.4	.0	.0		.1	.2	.2	.1		.0	.0	2.4	
VAR	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	1.8	.4	.3	.1		1.7		.0	.0		.1	.1		.0	.0	.0	2.3	
TOT OBS	2880	952	1217	359	5408	2.8	5	0	7	109	349	304	146	31	42	73	4342	5408
TOT PCT	53.3	17.6	22.5		100.0		.1	.0	.1	2.0	6.5	5.6	2.7	.6	.8	1.3	80.3	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANFOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NH)

				VSBY (NE	1)			
CEILING	. OR	- DR	. DR	- OR	- nR	- DR	- OR	- OR
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
- OR >6500	1.7	2.0	2.1	2.1	2.1	2.1	2.1	2.1
■ DR >5000	2.2	2.6	2.6	2.6	2.6	2.6	2.6	2.6
* OR >3500	4.6	5.2	5.3	5.3	5.3	5.3	5.3	5.3
■ DR >2000	9.6	10.8	10.9	10.9	10.9	10.9	10.9	10.9
. OR >1000	15.4	17.1	17.3	17.3	17.3	17.3	17.3	17.3
. DR >600	17.1	19.0	19.3	19.3	19.3	19.3	19.3	19.3
■ OR >300	17.2	19.1	19.4	19.4	19.4	19.4	19.4	19.4
= OR >150	17.2	19.1	19.4	19.4	19.4	19.4	19.4	19.4
- DR > 0	17.2	19.2	19.5	19.5	19.5	19.5	19.5	19.5
TOTAL	954	1061	1077	1079	1079	1080	1080	1080

TOTAL NUMBER OF OBS: 5536

PCT FREQ NH <5/8: 80.5

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 08SCD TOTAL 08S 34.8 15.7 13.2 9.9 6.4 4.8 5.6 4.6 5.1 .1 5858

PER100:	(DYER-ALL)	

0 .

T	Δ	A	L	E	

AREA 0005 CENTRAL SPANISH SAHARA
24.7N 16.6W

0 0

		,	ERCENT	PREC					ALUES				E OF
VSBY (NM)		N	NE	•	SE	s	SW		NW	VAR	CALM	PCT	TOTAL
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	NO PCP			.0		.0		.0	.0	.0	.0		
	TOT &			.0		.0		.0	.0	.0	.0		
	PCP	.0			.0	:0	.0	.0	.0	.0	.0		
1/2<1	NO PCP		.1	.1	:	.0	.0	.0	.0	.0	.0	.2	
	TOT %		:1	:1		.0	.0	.0	.0	.0	.0	.3	
	PCP			.0	.0	.0	.0	.0	.0	.0	.0		
<2	NO PCP			.1			.0	.0	.0	.0	.0	.2	
	TOT &			.1 .1			.0	.0	.0	.0	.0	.2	
	PCP			.0	.0	.0	.0	.0		.0	.0	.1	
2<5	NO PCP	.1	.6	:1	.0	.0	.0		.0	.0		.8	
	TOT &	.1	.6	.1	:0	4	.0			.0		:9	
	PCP	.1	.3	.1			.1	.1	.1	.0	.0	.7	
<10	NO PCP	1.7	7.0	2.4	.5	.3	.5	.5	.4	.0	.2	13.5	
	TOT %	1.8	7.3	2.5	.5	.3	.6	.6	.5	.0	.2	14.2	
	PCP	.1	.2	11:2		1:1	1.2	1.7	.1	.0		.5	
10+	NO PCP	11.6	50.6	11.2	1.6	1.1	1.2	1.7	2.7	.0	2.2	83.9	
	TOT &	11.7	50.9	11.2	1.6	1.1	1.2	1.7	2.7	.0	2.2	84.4	
	TOT OBS												6609
	TOT PCT	13.6	58.9	14 0	2.1	1.5	1.8	2 3	3.2	. 0	2.5	100.0	

TABLE 9

				PERCEN	WITH V	ARYING	VALUE	S OF V	ISIBIL	ITY	EU		
VSBY (NM)	SPD	N	NE	E	SE	s	SW		NW	VAR	CALM	PCT	TOTAL
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0			
<1/2	4-10				*	.0	*	.0	.0	.0			
	11-21	.0				.0	.0	*	.0	.0			
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %				*	.0		*	.0	.0		.1	
			4 1										
	0-3			.0	.0	.0	.0	.0	.0	.0	.0		
1/2<1					*	.0	.0	.0	.0	.0		.1	
	11-21				.0	.0	.0	.0	.0	.0		.1	
	22+	.0			.0	.0	.0	.0	.0	.0		.1	
	TOT \$.1	.1		.0	.0	.0	.0	.0	.0	.2	
	0-3	.0	.0	.0	.0		.0	.0	.0	.0			
1<2	4-10						.0	*	.0	.0		.1	
	11-21	.0		.1		.0	.0	.0	.0	.0		.1	
	22+	.0			.0	.0	.0	.0	.0	.0			
	TOT \$.1	.1			.0		.0	.0		.3	
	0-3					.0	.0	.0	.0	.0	.1	.1	
2<5	4-10		.1					.0		.0		.2	
	11-21		.3	.1					.0	.0		.6	
	22+	.0	:1	.1		.0	.0	.0	.0	.0		.2	
	TOT \$.1	.5	.2						.0	.1	1.0	
	0-3	.1	1:7	.1		.1	.1		.1	.0	.4	1.0	
5<10		.7	1.7	:17	.3	.2	.3	.1	.2	.0		4.3	
	11-21	.6	3.2	1.1	.1	.1	.1	.2	.1	.0		5.5	
	22+	.1	1.2	.2			.1	.1		.0		1.8	
	TOT \$	1.5	6.2	2.2	.4	.3	.5	.5	.4	.0	.4	12.5	
	0-3	1.0	1.2	.8	1.3	.3	.3	.4	.2	.0	2.3	6.8	
10+	4-10	5.3	16.3	5.8	1.3	.9	1.0	.9	1.7	.0		33.1	
	11-21	4.2	26.9	5.8	.5	.2	.4	.4	. 8	.0		39.3	
	22+	.5	5.0	.9				.1	.1	.0		6.7	
	TOT %	11.1	49.5	13.3	2.0	1.3	1.7	1.9	2.8	.0	2.3	85.9	
	TOT 085												9416
	TOT PCT	12.7	56.4	15.9	2.6	1.7	2.2	2.5	3.2	.0	2.8	100.0	

PERIOD: (PRIMARY) 1922-1973 (OVER-ALL) 1855-1973

TABLE 10

AREA 0005 CENTRAL SPANISH SAHARA 24.7N 16.6W

PERCENT FREQUENCY OF CEILING HFIGHTS (FEET, NH >4/8) AND DCCURRENCE OF NH <5/8 BY HOUR

HUUR (GMT)	149	150 299	300 599	999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL
00603	.1	.0	.1	1.4	5.0	4.2	2.5	.4	.7	1.1	15.5	84.5	1395
96330	-1	.0	.1	2.3	7.5	5.9	3.0	.4	.7	1.9	21.9	78.1	1368
12615	.1	.0	.1	2.2	6.9	5.7	2.5	.9	. 8	1.3	20.4	79.6	1589
18621	.1	.0	.1	1.7	5.3	5.7	2.4	.6	.7	.8	17.5	82.5	1413
PCT	.1	.0	.7	109	357	311	149	32	42	74	1086	4679	5765 100.0

TABLE 11

TABLE 12

		PERCENT	FREQUENC	Y VS8Y	(NM)	AY HOUR		CUMULAT					VSBY (NM)	
HQUR (GMT)	-1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS	HOUR (GHT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL
60300	.0	.2	.2	1.3	11.9	86.4	2150	00603	.1	.3	2.6	14.2	83.2	1336
90300	.1	.2	.3	1.1	14.3	84.0	2564	90300	•1	.2	3.5	19.9	76.6	1299
12615	.2		.2	.8	10.7	88.0	2290	12615	.1	.2	3.4	18.1	78.5	1535
18621	.1	.3	.3	.8	13.1	85.4	2618	18621	.1	.2	2.6	16.0	81.4	1366
PCT	.1	19	24	96 1.0	1210	8264 85.9	9622 100.0	TOT PCT	5	13	169	944	4423 79.9	5536 100.0

TABLE 13

TABLE 14

PERCENT FREQUENCY OF MIND DIRECTION BY TEMP

N NE E SE S SM W NM VAR CALM

.0 .0 .0 .0 .0 * * .0 .0 .0 .0

1. 1 * * * .0 * * .0 .0 .0

1. 9 4.9 1.7 .5 .2 .3 .3 .5 .0 .2

9.1 44.8 10.0 1.5 1.1 1.1 1.5 2.6 .0 1.7

2.2 10.2 2.3 .2 .1 * 1.1 2.0 .4

.0 * * .0 .0 .0 .0 .0 * .0 .0

PCT	TOTAL	, can								
FREC	OBS	90-100	80-89	70-79	60-69	50-59	40-49	30-39	0-29	TEMP F
	1	.0	.0	.0		.0	.0	.0	.0	80/84
.3	16	.0		.1	.1	.1	.0	.0	.0	75/79
10.4	553	.7	1.9	3.6	3.3	.8	.2		.0	70/74
73.4	3900	5.5	19.4	27.7	16.0	4.2	.7		.0	65/69
15.7	836	2.3	4.7	5.5	2.6	.6	.1	.0	.0	60/64
.1	4				.0	.0	.0	.0	.0	55/59
100.0	5310	452	1384	1960	1166	296	49	3	0	TOTAL
		8.5	26.1	36.9	22.0	5.6	.9	.1	.0	PCT

TABLE 15			TABLE 16
and the second second	and the second second second		

				. ENGE		O E.		0 , 0	HUOK
HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL
00603		72	70 70	66	63	61	50	66.4	2700
12615	82	77	74	68	64	62	57	68.5	2822
18621	82	75	73	67	64	62	54	67.7	3723
TOT	82	75	72	67	63	61	50	67.2	12924

	PERC	ENT PRE	ROENCA	OF RELA	IIAE H	DWIDILL	BY HOUR	
HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTA
00803	.0	4.2	18.2	34.2	32.5	10.9	77	1334
06609	.0	4.5	17.5	34.3	31.8	11.9	77	1345
12615	.0	10.5	27.0	38.1	18.7	5.7	72	1424
18621	.0	6.3	24.3	40.2	23.1	6.0	74	1374
TOT	0	354	1197	2012	1445	469	75	5477

PERIOD: (PRIMARY) 1922-1973 (OVER-ALL) 1855-1973

TABLE 17

AREA 0005 CENTRAL SPANISH SAHARA 24.7N 16.6W

P	CT FREQ DI	AIR	TEMPE	VS	ATR-SE	G F)	MPERA	THE TURE	DIFFE	RENCE	(DEG F)	ITHOUT	PRECIPITATION)
	AIR-SEA	49	53	57	61	65	69	73	77	81	TOT	W	WO	

					security of		-					
AIR-SEA THP DIF	49 52	53 56	57	61	65	69 72	73 76	77 80	81 84	тот	FUG	FOG
20/22	.0	.0	.0	.0		.0	.0	.0		1	.0	
14/16	.0	.0	.0	.0	.0	.0	.0			3	.0	*
11/13	.0	.0	.0	.0	.0		.1	.0	.1	12	.0	.2
9/10	.0	.0	.0	.0			.2	.1	.0	24		.4
7/8	.0	.0	.0	.0	.2	.1	.3		.0	36	.0	.6
6	.0	.0	.0	.0		.3	.2		.0	36	.0	.6
5	.0	.0	.0	.1	.6	. 8	.3		.0	112	*	1.8
4	.0	.0	.0	.1	.8	1.1	.2	.0	.0	135	.0	2.2
3	.0	.0	.0	.1	1.8	1.3	.2	.0	.0	210	.0	3.4
2	.0	.0		.5	3.4	2.3	.2		.0	394	.1	6.4
1	.0	.0	.0	1.0	6.5	3.5	.2	*	.0	682	.1	11.1
0	.0	.0		2.7	10.2	4.2	.1	.0	.0	1052	.1	17.2
-1	.0	.0		2.5	12.7	3.0		.0	.0	1118	.2	18.1
-2	.0	.0	.1	2.4	10.6	1.6		.0	.0	898	.1	14.6
-3	.0	.0	0	2.0	7.1	.6	.0	.0	.0	598	.1	9.7
-4	.0	.0	.1	2.1	3.8	.3	.0	.0	.0	385	*	6.3
-5	.0	.0	.1	1.4	1.8	.2	.0	.0	.0	215		3.5
-6	.0	.0		.5	.6		.0	.0	.0	70	.0	1.1
-7/-8	.0	.0	.2	.4	.5		.0	.0	.0	65	.0	1.1
-9/-10	.0		.2	.3	.1		.0	.0	.0	42		.7
-11/-13	.0			.1	.0	.0	.0	.0	.0	7	.0	.1
-14/-16			.0			.0	.0	.0	.0	5	.0	.1
-17/-19		.0	.0	.0	.0	.0	.0	.0	.0	1	.0	*
TOTAL	2		48		3708		131		6		43	6058
		7		993		1189		17		6101		
PCT		.1	.8	15.3	60.8	19.5	2.1	.3	.1	100.0	.7	99.3

PERIOD: (OVER-ALL) 1963-1973

TABLE 18
PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

				N							NE			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.7	.9	1.0	.0	.0	.0	1.6	.6	1.8	.1	.0	.0	.0	2.5
1-2	.3	3.1	2.6	.0	.0	.0	4.4	.4	9.8	12.9	1.0	.0	.0	14.8
5-6	.0			.3	.0	.0	4.4		• 9	10.6	1.7	.1	.0	13.3
7	.0	•2	1.6	.2	.0	.0	1.3	•0	.1	4.5	2.2	:1	.0	6.9
8-9	.0	.1	.3	.1	.0	.0	.5	.0		1.3	1.7	.0	.0	3.0
10-11	.0	.0	.1		.0	.0	.1	.0	.0	.4	1.0	.1	.0	1.4
12	.0	.0	.0	.0	.0	.0	:0	.0	.0	.2	.3		.0	.5
13-16	.0	.0			.0	.0		.0	.0	.1	.2	.2	.0	.4
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	•0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	•0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.0	6.0	6.8	.7	.0	.0	14.5	1.0	17.2	34.6	8.0	.4	•0	61.2
				E							SF			
HGT	1-3	4-10	11-21	22-33	34-47	49+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.5	.8	.0	.0	.0	.0	1.3		.3	.0	.0	.0	.0	.3
1-2	.3	2.7	1.3	.0	.0	.0	4.3		.5	.1	.0	.0	.0	.6
3-4	.0	2.4	2.2	.1	.0	.0	3.7	.0	.2	.2	.0	.0	.0	.4
5-6	.0	.4	1.6	.2	.0	.0	2.3	.0	.0	.1	.0	.0	.0	.1
7	.0		.6	.3	.0	.0	1.0	.0	.0	.1		.0	.0	.1
8-9	.0	.0	.1	.2	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	:	.0		•0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	:	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	:0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PET	.7	5.4	5.9	.9		.0	13.0	.1	1.0	.4		.0	.0	1.5

PER 100:	Inve		1042-1	073				DECEMBER				1051		CHTON	SPANISH SAH
PERIOU.	COVE	-ALL!	1963-1	412				TABLE 18 COUNT)			AREA	24.7		.OW
				PC	T FREO D	F WIND	SPEED	(KTS) AND DIRE	TION Y	ERSUS S	EA HEIG	HTS (FT	,		
				5							SW				
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	.2	.3	.0	.0	.0	.0	.5	-1	.1	.0	.0	.0	.0	.3	
1-2		.5	.1	.0	.0	.0	.6		.3	.1		.0	.0	.4	
3-4	.0			.0	.0	.0	.1	.0			.0	.0	.0		
5-6	.0	.0	.1	.0	.0	.0	.1	.0	.0	.1		.0	.0	.1	
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0		
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
3-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
9-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
OT PCT	.3	.8	•2	.0	.0	.0	1.3	•1	.5	.2		.0	.0	.8	
				u							NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.2	.2	.0	.0	.0	.0	.4	.2	.1	.0	.0	.0	.0	.4	

				W							NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.2	.2	.0	.0	.0	.0	.4	.2	.1	.0	.0	.0	.0	.4	
1-2	.1	.5		.0	.0	.0	.6		.7	.1	.0	.0	.0	.8	
3-4	.0	.1	.1	.0	.0	.0	.1	.0	.4	.4		.0	.0	.8	
5-6	.0		.1		.0	.0	.2	.0	.1	.3		.0	.0	.4	
7	.0	.0	.1		.0	.0	.1	.0	.0	.2	.1	.0	.0	.3	
8-9	.0	.0	.0		.0	.0		.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0			.0	.0	.1	
12	.0	.0	.0		.0	.0		.0	.0		.0	.0	.0		
13-16	.0	.0	.0		.0	.0		.0	.0	.1		.0	.0	.1	
17-19	.0	.0	.0	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.3	. 8	.3	.2	.1	.0	1.7	.3	1.3	1.1	.2	.0	.0	2.9	96.8

	MIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	6.2	4.8	.2	.0	.0	.0	11.2	003
1-2	1.4	17.9	7.2	.0	.0	.0	26.5	
3-4	*	8.3	18.3	1.2	.0	.0	27.8	
5-6	•0	1.7	14.3	2.3	.1	.0	18.3	
7		.,	6.5	2.8	.1	.0	9.6	
8-9	•0	.1	1.7	2.0	.0	.0	3.8	
10-11	•0	.0	.5	1.0	.1	.0	1.6	
12	.0	.0	.2	.3		.0	.6	
13-16	.0	.0	.1	.3	.2	.0	.6	
17-19	.0	.0	.0		.1	.0	. 1	
20-22	•0	.0	.0	.0	.0	.0	.0	
23-25	•0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	• 0	.0	.0	.0	.0	.0	
61-70	•0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	•0	.0	.0	.0	.0	.0	.0	
								3555
TOT PCT	7.7	33.0	48.9	9.9	.5	.0	100.0	

PERIOD	: (OV	ER-ALL	1 194	9-197	3				TABLE	19											
					PERCENT	FRE	QUENCY	OF WAY	VE HEIG	HT (F	T) VS	WAVE P	ERIOD	(SECON	DS)						
PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN
56-7	1.8	7.8	11.4	7.2	3.6	1.2	1.3	.3	:1	.1	:0	.0	.0	.0	.0	.0	.0	.0	.0	1455	6
8-9	.0	.7	2.2	3.5	3.3	1.7	1.1	• 3	:4	.2	*	.0	.0	.0	.0	.0	.0	.0	.0	576 218	6
12-13	.0	.0	1.1	1.0	.5	.3	:1	•1	.1	:1	:0	.0		.0	.0	.0	.0	.0	.0	134	6
NDET	3.3	4.3	5.4	2.9	2.6	1.1	.5	.1	.3	.0	.0	•0	.0		.0	.0	.0	.0	.0	883	4
PCT	5.2	15.1	25.7	933	733 17.0	337 7.8	171	1.2	68	24	.1	2	.1	.0	.0	.0	.0	.0	.0	4311	5

ANNUAL

PERIOD: (PRIMARY) 1921-1973 (DVER-ALL) 1854-1973

TABLE 1

AREA 0005 CENTRAL SPANISH SAHARA 24.7N 16.6W

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

			p	RECIPI	TATIO	Y TYPE					DTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	DTHER FRZN PCPN	HATL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	NO SIG WEA
N NE	.2	.3	:1	:0	.0	•0	.0	.5	.3	:3	2.8	-1	3.4	.4	92.0
uc	• 1	.2												.5	93.5
	.4	.3	.2	.0	.0	•0		1.0	.5	.8	2.5		3.2		91.5
SE	1.8	• 7	.1	.0	.0	•0		2.7	.6	2.1	4.7	.1	3.5	.7	86.3
S	1.5	1.1	.3	0	.0	.0	.0	2.8	.8	1.4	3.0	.4	2.2	.3	89.7
SW	.4	1.2	.4	.0	.0	.0	.0	2.0	1.1	1.4	3.1	.7	1.1	.1	90.5
W	.6	1.2	.2	.0	.0	.0	.0	1.7	1.4	.5	2.5	.8	2.6		90.3
NW	.3	1.1	.3	.0	.0	.0		1.7	.6	.4	3.5	.2	2.2		91.1
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.3			.0	.0	•0	.0	.3	.3	.6	7.0	.4	3.1	.2	88.1
TOT PCT	78672	.3	.1	.0	.0	.0		.7	.4	.5	2.7	.1	3.1	.5	92.2

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			P	RECIPT	TATION	TYPE					DTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNUM	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	
00803 06609	.3	.3	.2	.0	.0	.0	.0	1.0	:4	1.0	2.0	.;	2.5	.5	93.0
12615	.2	.3	:1	.0	.0	•0	:	.6	.4	.2	3.1	•1	4.0	:6	92.0
TOT PCT TOT OBS:	80735	.3	.1	.0	.0	•0		.7	.4	.5	2.7	•1	3.1	.5	92.1

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

					The state of the s		a han Year			to a series of the series of								
		WI	ND SPE	ED (KN	DTS)								HOUR	(GMT)				
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	FREQ	MEAN	00	03	06	09	12	15	18	21	
N	1.1	9.6	11.4	1.8				24.0	11.7	26.8	29.4	23.8		21.1	24.1	26.6		
NE	1.0	15.7	31.0	6.1	.1			53.9	14.0	52.1	52.6	53.9	57.1	55.2	54.9	52.5	54.7	
E	.4	3.4	3.5	.5		.0		7.9	11.8	6.4	5.0	7.8	11.3	9.4	6.6	6.6	7.8	
SE	.2	.9	.4					1.5	8.5	1.1	1.1	1.5	2.0	2.1	1.0	1.3	1.3	
5	.2	.8	.4			.0		1.4	8.6	1.4	1.2	1.4	1.2	1.7	1.8	1.5	1.1	
SW	.3	1.3	.6	.1		.0		2.3	8.6	2.4	2.4	2.4	2.0	2.4	2.2	2.4	2.0	
W	.4	1.6	.6	.1		.0		2.6	7.8	2.7	2.6	2.7		2.4	2.9	2.8	2.8	
NM	.5	2.6	.9	.1		.0		4.2	8.4	4.3	3.4	4.1	4.0	3.6	4.9	4.6		
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	2.1				5.73			2.1	.0	2.8	2.3	2.5	1.4	2.0	1.7	1.9	1.7	
TOT OBS							150385	11.5	12.5	29178	1797	28859			1864	29820		
TOT PCT	6.4	35.9	48.8	8.7	. 2			100-0		100.0	100.0	100.0	100.0	100-0	100-0	100.0	100.0	

TABLE 3A

WND DIR	0-6		SPEED 17-27	(KNDTS) 28-40	41+	TOTAL	PCT	MEAN SPD	00	HDUI 06 09	12 15	18 21
N NE	5.7	13.3	18.7	1:3	:		24.0	11.7	27.0	22.1	21.3	25.7
	1.6	4.5	1.7	.1			7.9	11.8	6.3	9.0	9.2	7.0
SE	.6	.7	.1				1.5	8.5	1.1	1.6	2.0	1.3
SW	.7	.6	.1		.0		1.4	8.6	1.4	1.3	1.7	1.4
SW	1.0	1.1	.2				2.3	8.6	2.4	2.2	2.4	2.3
	1.2	1.2	.2				2.6	7.8	2.7	2.6	2.4	2.8
NW	1.8	2.0	.3				4.2	8.4	4.2	4.1	3.7	4.6
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	2.1						2.1	.0	2.7	2.1	2.0	1.8
TOT DBS						150385		12.5	30975	42779	33134	43497
TOT PCT	19.1	52.7	26.5	1.7			100.0		100.0	100.0	100.0	100.0

AREA 0005 CENTRAL SPANISH SAHARA

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GHT)

HOUR	CALM	1-3	4-10		SPEED (48+	MEAN	PCT	TOTAL
00403	2.7	4.3	35.4	48.3	9.1	.2		12.5	100.0	30975
90300	2.1	4.0	36.6	48.3	8.7	.2		12.4	100.0	42779
12615	2.0	4.2	34.6	49.8	9.3	.2	.0	12.7	100.0	33134
18621 TOT	1.8	4.4	36.6	49.0	6.0	.2		12.3	100.0	43497 150385
PCT	2.1	4.2	35.9	48.8	8.7	.2			100.0	

TABLE 5

,	CT FRE			D DIREC		EIGHTHS)							CEILIN					
WND DIR	0-2	3-4	5-7	8 & CD	TOTAL OBS	CLOUD COVER	000 149	150 299	300 599	600	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	
N	17.1	4.2	4.7	2.4		2.4	.1		.1	.7	1.7	1.5	.6	.2	.1	.4	23.1	
NE	27.4	8.7	10.7	4.5		2.8	.1		.2	1.2	3.8	3.1	1.5	.4	.2	.7	40.0	
E	3.0	.9	1.1	.4		3.0				.1	.3	.3	.1			.1	4.4	
SE	.6	.2	.3	.2		3.4		.0			.1	.1					.9	
S	.7	.3	.5	.2		3.1				.1	.2	.1	.1				1.3	
SW	1.2	.6	.7	.2		3.0				.1	.2	.1	.1				2.0	
	1.4		.5	.1		3.0		.0			.1	.1	.1				2.2	
NW	2.3	.9	.7			2.7				.1	.2	.2	.1				3.6	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	1.8	.4	.3	2		2.1		.0			.1	.1					2.2	
TOT OBS			119		64141	2.7						13.					17.5	64141
TOT PCT	55.4	16.7	19.5	8.3	100.0		.3	.1	.3	2.2	6.6	5.5	2.6	.8	.5	1.3	79.8	100.0

CUMULATIVE	PCT	FREQ	OF	SIMULTA	ANFOUS	DCCURREN	CE
OF CETLI							

					VSBY (NA	17			
	CEILING	- OR	- OR	- OR	- OR	a nR	- DR	- OR	- OR
	(FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
	OR >6500	1.2	1.7	1.8	1.9	1.9	1.9	1.9	1.9
	DR >5000	1.8	2.5	2.6	2.6	2.6	2.6	2.6	2.6
	OR >3500	3.8	5.0	5.2	5.2	5.2	5.2	5.2	5.2
	OR >2000	7.8	10.3	10.7	10.7	10.7	10.7	10.8	10.8
	DR >1000	12.7	16.6	17.3	17.3	17.3	17.3	17.3	17.3
	OR >600	14.1	18.7	19.5	19.5	19.5	19.5	19.5	19.5
	OR >300	14.2	18.9	19.8	19.8	19.8	19.9	19.9	19.9
	OR >150	14.2	19.0	19.8	19.9	19.9	19.9	19.9	19.9
11/2	00 . 0						1		20 2

TOTAL NUMBER OF OBS: 65313 PCT FREQ NH 45/8: 79.8

TABLE 74

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

37.4 14.7 12.2 8.9 6.0 4.2 5.0 5.0 6.4 .2 68681

									AN	NUAL							
PERIOD:	(PRIMARY		921-1973 854-1973						TA	8LE 8				ARE		L SPANISH	SAHAR
				,	ERCENT	PREC	F WIN	DIRE	TH VAR	YING Y	IRRENCE	F OR N	IBILIT	URRENC	E OF		
		SBY NM)		N	NE	E	SE	5	SW		NW	VAR	CALM	PCT	TOTAL OBS		
			PCP	.0	.0	.0	.0	.0			.0	.0	.0				
	(1/2	NO PCP									.0		.2			
			TOT &							•		.0		.2			
			PCP									.0	.0				
	1	/2<1	NO PCP	.2	.4	.1						.0		.7			
			TOT &	.2	.4	:1						.0		.8			
			PCP			.0	.0					.0	.0				
	1	<2	NO PCP	.1	.5	.0						.0		.5			
			TOT %	• 2	.5	•						.0		.5			
			PCP									.0					
	2	<5	NO PCP	1.1	1.2	.1	:1				.1	:0	.1	2.7			
			TOT &	1.1	1.2	.1	.1				.1	.0	.1	2.8			
			PCP		.1							.0		.4			
		<10		7.3	12.0	1.3	.3	.3	.4	.4	.7	.0	.4	23.3			
			TOT \$	7.3	12.1	1.4	.4	.4	.5	.5	.8	.0	.4	23.6			
			PCP		.1							.0		.2			
	1	0+	NO PCP	19.0	37.0	4.2	.9	1.3	2.1	2.1	3.4	.0	1.9	72.0			
			TOT &	19.1	37.1	4.2	.9	1.3	2.1	2.2	3.4	.0	1.9	72.2			

TOT OBS TOT PCT 27.9 51.1 5.8 1.3 1.8 2.7 2.7

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY PCT TOTAL OBS VSBY (NM) <1/2 1/2<1 0-3 4-10 11-21 22+ TOT \$ 1<2 0-3 4-10 11-21 22+ TOT \$ * .1 .1 .1 .3 .5 .1 1.0 * * * * * .1 .1 .5 .6 .1 1.3 2<5 0-3 4-10 11-21 22+ TOT % 2.5 7.1 1.9 11.7 TOT 98\$ TOT PCT 26.0 52.9 6.8 1.4 1.5

TABLE 9

2.4 2.6 4.1

ANNUAL

PERIOD:	(PRIMARY)	1921-1973
	(DVED-ALL)	1854-1972

TABLE 10

AREA 0005 CENTRAL SPANISH SAHARA
24.7N 16.6M

PERCENT FREQUENCY OF CEILING HFIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	149	150 299	300 599	999	1000	2000 3499	3500 4999	5000	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00603	.3		.2	1.7	4.8	4.0	1.7	.6	.4	1.0	14.7	85.3	16361
06609	.3	.1	.6	3.4	10.1	7.6	3.5	9		1.6	28.7	71.3	15873
12615	.3	.1	.4	2.2	6.9	6.5	2.9	.9	.6	1.5	22.2	77.8	18221
18621	.2		.2	1.3	3.9	3.6	2.0	.6	.4	1.1	13.3	86.7	17173
TOT	.3	.1	.3	2.1	6.4	5.4	2.5	.7	.5	1.3	19.6	80.4	67648

TABLE 11

TABLE 12

		PERCENT	FREQUENC	Y VSBY	(NM)	RY HOUR		CUMULAT	CEILIN	FREQ IG HGT	OF RAM	GES OF NH >4/8	VSBY (NM)	AND/OR
HOU		1/2<1	1<2	2<5	5<10	10+	TOTAL OBS	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL
300	03 .1	.5	.3	2.5	21.0	75.6	24907	60300	.3	.5	4.6	12.5	82.9	15720
300	9 .2	.7	.4	2.5	24.1	72.1	29764	90300	.3	1.1	7.2	24.1	68.8	15253
126	15 .2	.5	.5	3.3	19.9	75.7	26550	12615	.3	.8	6.2	18.7	75.1	17670
186	21 .1	.7	.7	2.8	22.6	73.1	30671	18621	.2	.5	4.8	11.4	83.8	16670
TO		.6	.5	2.8	22.0	74.0	111892	TOT	.,	.7	5.7	16.6	77.7	65313

TABLE 12

ABLE 1

															1405					
	PERC	ENT FR	EQUENC	Y OF R	ELATIV	E HUMI	DITY B	Y TEMP	TOTAL	PCT		PERC	ENT FR	EQUENC	Y OF W	IND DI	RECTIO	N BY T	EMP	
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100		FREQ	N	NE	E	SE	S	SW	W	NW	VAR	CALM
90/94	.0	.0	.0	.0	.0		.0	.0			.0		.0	.0	.0	.0	.0	.0	.0	.0
85/89	.0	.0					.0	.0		*			.0					.0	.0	
80/84	.0				.1	.1				.3	.1	.1							-0	
75/79				.1	.7	2.2	1.5	.4		5.0	1.6	2.5	.2	.1		.1	.1	.2	.0	.1
70/74			.1	.4	2.9	9.5	15.5	7.4		35.8	10.9	18.4	1.7	.4	.5	.9	.8	1.4	.0	.6
65/69	.0		.1		5.7	13.6		7.9		46.3	12.1	23.7	3.0	.7	.9	1.3	1.5	2.2	.0	1.0
60/64	.0			.2	1.8	4.3	4.1			12.5	2.7	7.5	1.0	.1	.1	.2	.2	.4	.0	.2
55/59	.0	.0	.0	.0						-1						.0	.0		.0	
TOTAL									61292	100.0										
PCT			.3	2.1	11.2	29.8	38.8	17.8			27.5	52.4	5.9	1.3	1.7	2.5	2.6	4.2	.0	1.9

TABLE 15

TABLE 16

	MEANS,	EXTREM	ES AND	PERCEN	TILES	OF TE	MP (DE	G F)	BY HOUR
HOUR (GMT)	MAX	99%	95%	50%	5%	18	HIN	MEAN	TOTAL
60300	85	73	71	68	64	62	46	67.7	31391
90300	86	74	72	68	64	62	48	67.6	42946
12615	90	79	76	70	66	63	52	70.4	32602
18621	90	78	75	69	66	64	49	69.8	42927
TOT	90	77	74	69	65	62	46	68.9	149866

	PERC	EN! FKE	MOENCA	OF RELA	LIAE H	DWIDIIA	BY HOU	R
HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	HEAN	TOTAL
60300		1.1	7.1	23.7	42.2	25.8	83	15364
90300		1.6	8.1	24.0	41.9	24.4	82	15394
12615	.0	4.4	16.2	36.5	33.6	9.4	77	15973
18621	.0	2.3	13.1	34.1	37.6	12.9	79	16055
TOT	2	1484	7015	18644	24336	11305	80	62786

ANNUAL

PERIOD: (PRIMARY) 1921-1973 (OVER-ALL) 1854-1973

0 0

TABLE 17

AREA 0005 CENTRAL SPANISH SAHARA 24.7N 16.6W

0 0

	P	T FR	eq of	AIR	TEMPE	RATUR VS A	E (DE	G F)	PERAT	HE DC	TFFER	NCE OF	FOG (WIT	HOUT I	PRECIPIT	(ATION)
AIR-SEA	45	49 52	53 56	57 60	64	68	69 72	73 76	77 80	81 84	85	89 92	TOT	FOG	FOG	
20/22		.0	.0	.0	.0	.0	.0		.0			.0	6	.0		
17/19		.0	.0	.0	.0	.0							20	.0		
14/16	.0	.0	.0	.0	.0								73		.1	
11/13		.0	.0	.0				.1	.1	.1		.0	285		.4	
9/10		.0	.0	.0			.1	.2	.2	.1		.0	486		.6	
7/8	.0	.0	.0	.0		.1	.4	.6	.3	.1	.0	.0	1086	.1	1.4	
6		.0	.0			.1	.4	.6	.2			.0	906	.1	1.2	
5		.0	.0		.1	.5	1.1	1.1	.3			.0	2209	.1	2.9	
4	.0	.0	.0		• 2	. 8	1.9	1.3	.3		.0	.0	3199	.2	4.2	
3		.0	.0		.2	1.5	2.7	1.7	.2			.0	4509	.2	6.0	
2	.0	.0			.5	3.2	4.6	2.0	.2		.0	.0	7632	.4	10.2	
1		.0	.0		1.0	5.5	6.5	2.3	.1	.0		.0	11021	.4	14.9	
0		.0	.0		2.3	7.6	6.7	1.9	.1			.0	13489	.5	18.2	
-1		.0	.0	.1	2.4	6.9	4.8	1.2			.0	.0	11093	.3	15.1	
-2		.0		.1	2.3	4.5	2.7	.5		.0	.0	.0	7194	.2	9.8	
-3	.0	.0	.0	.1	1.6	2.3	1.3	.2		.0	.0	.0	3953	.1	5.4	
-4	.0		.0	.1	1.2	1.2	.6	.1		.0	.0	.0	2223	.1	3.0	
-5		.0		.1	• 7	.7	.3			.0	.0	.0	1328		1.8	
-6		.0			.2	.2	.1			.0	.0	.0	438		.6	
-7/-8		.0		.1	.2	.2	.1		.0	.0	.0	.0	481		.6	
-9/-10	.0			.1	.1	.1				.0	.0	.0	226		.3	
-11/-13								.0	.0	.0	.0	.0	124		.2	
-14/-16								.0	.0	.0	.0	.0	57		.1	
-17/-19	.0			.0		.0	.0	.0	.0	.0	.0	.0	12			
-20/-22	.0			.0	.0	.0	.0	.0	.0	.0	.0	.0	18			
-23/-25 TOTAL	.0		.0	.0	•0	.0	.0	.0	.0	.0	.0	.0	72069	.0		

PCT • .1 .7 13.0 35.4 34.3 13.9 2.1 .4 • • 100.0 2.9 97.1

PERIOD: (UVER-ALL) 1963-1973

TABLE 18

				PC	I FREQ D	F WIND	SPEED	(KTS) AND DIR	ECTION	VERSUS S	EA HEIG	HTS (FT)		
нат	1-3	4-10	11-21	N 22-33	34-47	48+	PCT	1-3	4-10	11-21	NE 22-33	34-47	48+	PCT
<1	.6			.0	.0	.0	2.3				.0	.0	.0	1.9
1-2	.3	1.6	2:1	.0	.0	.0	7.6	:4	6.6	4:1	.0	.0	.0	11.0
3-4		2.9	5.7	.3	.0	.0	8.9			10.7	.8	.0	.0	15.2
5-6		.5	4.4	.6		.0	5.5			9.3	1.7		.0	11.9
7	.0	.1	2.0	.7		.0	2.8			4.3	1.8			6.3
8-9	.0		.6	.5		.0	1.1	.0		1.4	1.2		.0	2.6
10-11	.0		.2	.3		.0	.5	.0		.5	.7		.0	1.2
12	.0			.1		.0	.1	.0		.1	.2		.0	.3
13-16	.0	.0				.0	.1	.0			.1		.0	.3
17-19	.0		.0			.0		.0	.0	.0		.0	.0	
20-22	.0	.0	.0			.0		.0					.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	-0
26-32	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	-0	.0	.0	.0	.0	.0
TOT PCT	1.0	10.3	15.1	2.4		.0	28.8	.7	12.7	30.7	6.5	.2		50.7
HGT	1-3	4-10	11-21	E 22-33	34-47	48+	PCT	1-3		11-21	22-33	34-47	48+	PCT
<1	.1	.4		.0	.0	.0	.6	.1			.0	.0	.0	.2
1-2	.1	1.3	.4	.0	.0	.0	1.8	.1		.1	.0	.0	.0	.5
3-4		.6	.9		.0	.0	1.6			.1		.0	.0	.3
5-6	.0	.1	.6	.1	.0	.0	. 8	.0		.1		.0	.0	.1
7	.0		.2		.0	.0	3	.0				.0	.0	.1
8-9	.0		.1		.0	.0	.1	.0	.0			.0	.0	
10-11	.0					.0		•0				.0	.0	
12	.0		:	.0		.0		.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0			.0	.0		.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0		.0	.0		.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	•0		.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-66	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	5,1	.0	.0	.0	.0	.0	.0	.0
TOT PET	.3	2.5	2.2	.2		.0	5,1	.1	.7	.4		.0	.0	1.2

PERIOD:	inve		1043-1	0-2					ANNU	AL				AREA	0005	CENTRAL	SPANISH SAHARA
PEKTOD.	(nas	W-WFF)	1963-1	413				TABLE	18 (CONT				AREA			.6W
				PC	T FREQ D	-	SPEED	(KTS)	AND	DIREC	TION	VERSUS	SEA HE10	HTS (FT)			
				5			1 3						22-33				
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT			1-3	4-10	11-21		34-47	48+	PCT	
<1	.1	.2		.0	.0	.0	.3			.1	.3		.0	.0	.0	.5	
3-4	.1	.5	:1	.0	.0	:0	:7			.1	.7	.3	.0	.0	.0	1.0	
5-6	.0		::		.0	.0	:2				.3	.2		.0	.0	.6	
7	.0		.:		.0	.0	:1			.0			10	.0	.0	.1	
8-9	.0					:0				.0					:0		
10-11	.0				.0	.0				.0	.0		1	.0	.0		
12	.0		.0		.0	.0				.0	.0			.0	.0		
13-16	.0			.0	.0	.0				.0	.0				.0		
17-19	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
20-22	.0	.0		.0	.0	.0				.0	.0		.0	.0	.0		
23-25	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.2	1.0	.5			.0	1.7			•2	1.4	.7	.1		.0	2.5	
													22-33				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT			1-3	4-10	11-21		34-47	48+	PCT	PCT
<1	.2	.3		.0	.0	.0	.6			.3	.6		.0	.0	.0	.9	
1-2	.1	.9	.1	.0	.0	.0	1.2			.1	1.4	.2	.0	.0	.0		
3-4		.3	.2		.0	.0	.5				.5	.4		.0	.0	.8	
5-6	.0	:	.1		.0	.0	.2			.0	.1			.0	.0	.3	
8-9			:	:	.0	.0	.1					.1		.0	.0		
10-11	.0	.0	3		.0	.0				.0	:	:		.0	.0		
12	.0		.0		.0	.0				.0				.0	.0		
13-16	.0	.0				.0				.0	.0			.0	.0		
17-19	.0	.0	.0	.0		.0				.0			.0	.0	.0		
20-22	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0		
23-25	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0		
26-32	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0		
33-40	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0		
41-48	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.3	1.5	.6			.0	2.5			.4	2.5	1.0	.1	.0	.0		96.5
					100												

	MIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	6.0	5.1	.4	.0	.0	.0	11.4	003
1-2	1.3	16.8	7.3	.0	.0	.0	25.5	
3-4	.1	8.4	18.3	1.1	.0	.0	27.9	
5-6		1.7	14.9	2.4		.0	19.1	
7		.3	6.7	2.7			9.7	
8-9		.1	2.1	1.7		.0	3.9	
10-11	.0		.7	1.0		.0	1.7	
12	.0		.1	.3		.0	.5	
13-16	.0		.1	.2		.0	.3	
17-19	.0		.0			.0		
20-22	.0	.0				.0		
23-25	•0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60		.0	.0	.0	.0	.0	.0	
61-70	•0	.0	.0					
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	•0		.0		.0	.0	.0	
014	•0	.0	.0	.0	.0	.0	.0	
TOT PCT	7.4	22.2	50.6	0.2	,	0.00	100.0	42495

PERIOD	: (01	ER-ALL) 194	9-197	3				TABLE	19											
					PERCENT	FRE	QUENCY	OF WA	VE HEI	GHT (FT	1 VS	WAVE P	ERIOD	SECON	151						
PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	HEAN HGT
6-7	1.5	8.1	11.1	7.0	3.2	1.2	1.3	:1	:1	:	.0	.0	.0	:0	.0	.0	.0	.0	.0	16905	
8-9		.5	1.8	3.1		1.9		.3	.3			.0		.0	.0	.0	.0	.0	.0	6435	6
10-11	.0	.6	.7	.9	1.0	.7	.5	.2	.2					.0	.0	.0	.0	.0	.0	2582	6
12-13	.0	.0	1.0	.6	.4	.3	.3	•1	.2			.0		.0	.0	.0	.0	.0	.0	1530	6
>13	.0	.0	.0	.2		.1	.1	.1	.1			.0		.0	.0	.0	.0	.0	.0	460	
TOTAL	3.5	4.0	5.3	3.7	2.8	1.4	.7	•2	.2			•0	.0	•0	.0	•0	.0	•0	•0	51663	5
PCT	5.0	14.3	25.2	22.9	16.6	8.3	4.6	1.5	1.2	.2				.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1921-1973 (OVER-ALL) 1854-1973

TABLE 20

AREA 0005 CENTRAL SPANISH SAHARA 24,7N 16.6M

			PERC	ENT FR	EQUENC	Y OF 0	CCURRE	NCE 0F	SEA T	EMP (D	EG F)	-	тн	
SEA THP DEG F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	PCT
96+	.0	.0	.0		.0	.0	.0		.0					
95/96	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0		.0
93/94	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0
91/92	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0		.0
89/90	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0		.0
87/88	.0	.0	.0	.0	.0	.0	.0	.0				.0		.0
85/86	.0	.0	.0	.0	.0	.0					.0	.0		
83/84	.0	.0	.0	.0	.0		.0				.0	.0	10	
81/82	.0	.0	.0				.1	.2	.2	.1	.1		73	.1
79/80	.0	.0					.1	.4	.3	.5	.1		178	.1
77/78			.1			.1	.4	1.0	1.5	2.0	.7		702	.5
75/76	.1	.1	.2	.1	.2	.4	1.3	4.0	8.8	9.4	3.1	.2	3198	2.2
73/74	.4	.3	.6	.3	.8	2.6	8.8	20.5	30.1	32.8	15.0	1.8	13171	9.2
71/72	1.7	1.2	1.9	1.3	2.9	13.1	25.5	33.1	28.8	28.8	31.6	9.5	21028	14.8
69/70	8.3	6.1	7.5	8.1	15.8	30.0	32.3	25.1	18.0	15.2	27.0	24.3	25802	18.1
67/68	28.5	21.9	23.1	27.6	35.8	31.7	20.6	12.6	9.6	8.0	15.3	33.2	31987	22.4
65/66	34.4	35.6	34.2	34.8	27.0	14.2	8.5	2.5	2.3	2.5	5.1	18.8	26402	18.5
63/64	21.0	27.4	26.1	22.6	14.2	6,5	2.3	.4	.4	.7	1.8	10.0	16064	11.3
61/62	4.6	6.2	5.4	4.2	2.6	.9	.1	.1	.1	.1	.2	1.8	3181	2.2
59/60	.7	1.1	.8		.6	.1	.1		.0			.3	542	.4
57/58	.2	.1	.1			.1		.0	.0	.0			76	.1
55/56	.1	.1		.0			.0	.0	.0	.0	.0		35	
53/54		.0		.1		.2	.0	.0	.0	.0	.0	.0	35	
51/52	.0		.0	.0		.0	.0	.0	.0	.0	.0	.0	2	
49/50	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
47/48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0
45/46	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0
43/44	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	o	.0
41/42	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	ő	.0
39/40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0		.0
37/38	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0
35/36	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	o	.0
33/34	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0
31/32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
29/30	.0	.0	.0		.0								0	
27/28	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
<27	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	0	.0
TOTAL	11524	11530	12942	12174	12201	11400	12033	12255	10642	11659	11884	12250	142494	
MEAN	65.9	65.4	65.6	65.8	66.7	68.2	69.6	71.0	71.6	71.8	70.3	67.6	68.2	100.0

TABLE 21

PKE:	SOURE	(40)	

			AV	ERAGE	BY HOU	R (GM	T)			
										TOTAL
MO	0000	0300	0600	0900	1200	1500	1800	2100	MEAN	OBS
JAN	1020	1018	1019	1020	1020	1017	1018	1019	1019	8196
FEB	1018	1017	1017	1019	1019	1016	1017	1019	1018	8378
MAR	1018	1017	1017	1018	1018	1017	1016	1018	1017	9405
APR	1018	1016	1017	1017	1018	1017	1016	1017	1017	8689
MAY	1017	1016	1016	1018	1018	1017	1016	1017	1017	8768
JUN	1018	1016	1017	1018	1018	1017	1017	1018	1017	8257
JUL	1016	1015	1015	1016	1017	1016	1015	1016	1016	8584
AUG	1015	1014	1014	1015	1015	1014	1014	1015	1015	8919
SEP	1016	1016	1016	1016	1017	1016	1015	1016	1016	7619
OCT	1017	1016	1016	1017	1017	1016	1016	1017	1017	8230
NOV	1017	1016	1016	1017	1018	1015	1016	1017	1017	8231
DEC	1020	1019	1019	1020	1020	1018	1019	1019	1019	8658
ANN	1018	1016	1017	1018	1018	1016		1017		101934
OBS	21425	1826	20827	5779			21628	5704		

P	FR	C	FI	NT	1	L	F

HO	MIN	1%	5%	25%	50%	75%	95%	99%	MAX	
JAN	998	1006	1011	1017	1019	1022	1026	1028	1033	
FEB	1000	1008	1011	1015	1018	1021	1025	1028	1034	
MAR	1003	1009	1012	1015	1017	1020	1023	1026	1033	
APR	1002	1009	1012	1015	1017	1019	1022	1025	1035	
MAY	1001	1010	1013	1015	1017	1019	1021	1023	1034	
JUN	1003	1012	1014	1016	1017	1019	1021	1023	1032	
JUL	1000	1008	1011	1014	1016	1017	1020	1022	1032	
AUG	1000	1008	1011	1013	1015	1016	1019	1020	1029	
SEP	1000	1009	1012	1015	1016	1018	1020	1022	1030	
DCT	1000	1010	1012	1015	1017	1018	1021	1023	1029	
NOV	1001	1008	1011	1015	1017	1019	1022	1024	1032	
DEC	998	1009	1013	1017	1010	1022	1025	1028	1034	

PERIOD: (PRIMARY) 1923-1973 (OVER-ALL) 1855-1973

TABLE 1

AREA 0006 CAPE BLANC 20.3N 18.2W

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

				RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HATL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	NO SIG WEA
N NE	:1	:1	.1	:0	:0	:0		:3	:0	:6	2.9	-1	2.2	1:5	93.3
E	.5		.2	.0	.0		.0	1.3	.1	.6	3.8	.0	8.7		81.1
SE	. 8	.2	1.4	.0	.0		.0	2.4	.2	1.2	4.4	.7	6.3	8.5	77.3
S	5.9	1.0	.6	.0	.0		.0	7.5	1.1	8.8	4.6	.5	1.3	1.1	79.7
SW	1.7	1.8	.7	.0	.0		.0	4.1	.2	3.6	3.6	.2	2.0	1.7	85.6
	.0	2.2	.9	.0	.0	.0	.0	3.0	3.2	.0	3.2	.9	.9	2.8	86.0
NW	.3	.5	.3	.0	.0		.0	1.1	.5	.0	2.1	.5	1.1	.7	94.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.3	.0	.6	.0	.0		.0	.9	.0	1.2	11.8	.9	3.1	1.2	80.7
TOT PCT	7435	.3	.1	.0	.0	.0		.0	.1	. 8	3.1	.1	3.0	1.7	90,5

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

						acceptant of	ALCOHOL: NO.	AND STATE OF THE PARTY OF THE P							
				RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR			
00603	.2	.5	.2	.0	.0	•0	:1	1.2	.1	2.2	2.6	.1	2.4	1.8	90.1
90330	.8	.2	.2	.0	.0	.0	.0	1.2	.1	1.4	3.0	.1	2.1	1.0	91.6
12615	.3	.3	.2	.0	.0	.0	.0	.7	.2	.0	2.9	.2	3.0	1.7	91.3
18621	.3	.3	.1	.0	.0	•0	.0	.7	•2	.0	3.9	.2	4.3	2.2	88.5
TOT PCT	7621	.3	.1	.0	.0	•0		.9	•1	.9	3.1	•1	3.0	1.7	90.4

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		WI	O SPE	ED (KNI	TS)								HOUR	(GMT)			
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	FREQ	SPD	00	03	06	09	12	15	18	21
N NE	1.0	9.8	12.3	1.0	.2	.0		24.2	11.8	30.5	36.9	23.5	15.3	17.7	24.9	28.4	25.2
E	.6	5.3	6.5	1.2		.0		13.7	12.5	8.5	4.9	11.8	20.8	19.1	19.3	12.1	13.4
SE	.2	1.2	.5			.0		2.0	8.5	1.4	1.5	1.8	1.9	2.6	5.8	1.9	2.1
S	.3	1.1	.2	.0	.0	.0		1.5	6.6	1.5	1.6	1.5	1.0	1.9	2.9	1.3	.9
SW	.3	.9	.2		*	.0		1.5	7.7	1.7	2.1	1.5	1.1	1.3	.7	1.6	.9
	.2	.8	.2		.0	.0		1.3	7.2	1.1	2.5	1.3	1.4	1.1	2.2	1.4	1.5
NW	.3	1.5	.4		.0	.0		2.2	7.5	2.2	1.6	1.7	1.7	1.9	3.0	3.2	2.7
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	3.1							3.1	.0	4.4	6.5	4.2	1.1	2.2	4.4	3.5	.8
TOT OBS	908	4641	6316	900	31	0	12796		12.1	2480	153	2520	1159	2676	181	2521	1106
TOT PCT	7.1	36.3	49.4	7.0	.2	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WND DIR	0-6	7-16	SPEED 17-27	(KNOTS) 28-40	41+	TOTAL DBS	PCT	MEAN SPD	00	HBUI 06 09	12 15	18 21
N NE	4:4	14.9	15.7	1:1	.0		24.2	11.8	30.8	20.9	18.1	27.4
E SE	2.5	7.3	3.6	.3	.0		13.7	12.5	8.3	14.7	19.1	12.5
SE	.9	.9	.2		.0		2.0	8.5	1.4	1.9	2.8	2.0
S	.9	.6		.0	.0		1.5	6.6	1.5	1.4	2.0	1.2
SW	.8	.6	.1				1.5	7.7	1.7	1.4	1.3	1.4
	:8	.5	.1	.0	.0		1.3	7.2	1.1	1.4	1.2	1.5
NW	1.2	.5	.1				2.2	7.5	2.1	1.7	2.0	3.1
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	3.1						3.1	.0	4.6	3.2	2.3	2.6
TOT OBS	2544	6909	3142	198	3	12796		12.1	2633	3679	2857	3627
TOT PCT	19.9	54.0	24.6	1.5			100.0		100.0	100.0	100.0	100.0

JANUARY AREA 0006 CAPE BLANC 20.3N 18.2W PERIOD: (PRIMARY) 1923-1973 (OVER-ALL) 1855-1973 TABLE 4 PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT) HOUR CALM 1-3 4-10 11-21 22-33 34-47 48+ MEAN FREQ .0 11.7 100.0 .0 12.5 100.0 .0 12.6 100.0 .0 11.7 100.0 0 12.1 5.8 8.3 7.9 6.0 900 7.0 TABLE 5 TABLE 6 PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NM >4/8)
AND OCCURRENCE OF NM <5/8 BY WIND DIRECTION 5-7 8 & TOTAL OBSCD OBS 600 1000 2000 3500 5000 6500 8000+ NH <5/8 TOTAL 999 1999 3499 4999 6499 7999 ANY HGT DBS WND DIR 0-2 3-4 1.0 2.4 .5 .2 .4 .3 .1 .1 .0 .4 325 5926 5.5 100.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .5 1.4 .2 .1 .2 .2 .2 .2 .4 .0 .3 174 2.9 .3 .8 .2 * .0 * .1 .0 .1 .88 .0 .0 .2 32 .5 23.8 31.3 6.5 1.0 .6 .6 1.5 .0 3.0 4077 68.8 3.1 5.0 .9 .2 .2 .5 .4 .3 .0 .5 656

0

0

0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING MEIGHT (NH >4/8) AND VSBY (NM)

					VSBY (NM)			
C	EILING	- OR	- DR	. DR	- DR	- DR	. CR	• OR	- DR
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
OR	>6500	1.7	1.9	2.0	2.1	2.1	2.1	2.1	2.1
DR	>5000	2.1	2.3	2.5	2.5	2.5	2.5	2.5	2.5
	>3500	3.3	3.8	3.9	4.0	4.0	4.0	4.0	4.0
OR	>2000	5.3	6,3	6.5	6.6	6.6	6.6	6.6	6.6
OR	>1000	7.6	9.1	9.5	9.6	9.6	9.6	9.6	9.6
	>600	8.1	9.8	10.2	10.3	10.3	10.3	10.3	10.3
	>300	8.2	9.9	10.4	10.5	10.5	10.5	10.5	10.5
	>150	8.2	10.0	10.4	10.5	10.5	10.5	10.5	10.5
	>0	8.2	10.1	10.7	10.8	10.8	10.8	11.0	11.0
	TOTAL	495	607	643	650	652	654	661	664

TOTAL NUMBER OF DBS: 6034 PCT FREQ NH <5/8: 89.0

TABLE 7A
PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 DBSCD DBS 63.0 9.3 7.3 4.9 3.5 2.5 3.0 2.5 3.6 .4 6328

.1			

								JA	MUART							
PER100:	(PRIMARY) 1 (DVER-ALL) 1	923-1973 855-1973	1					TA	BLE 8				ARE	A 0006	CAPE 20.3N	BLANC 18.2W
			,	ERCENT	FREQ	OF WIN	D DIRE	CTION TH VAR	VS DCC	URRENCE ALUES	F VIS	IBILIT	URRENC	E OF		
	VSBY (NM)		N	NE	F	SE	5	2M		NW	VAR	CALM	PCT	TOTAL		
	<1/2	NO PCP	.1	• 3	.0	.0	.0	.0	:0	.0	.0	:0	.0			
		TOT \$.1			•		•	.0		.0	.1	.3			
	1/2<1	NO PCP	:4	.3	:1	:0	.0	••	••	.0	:0	:0	.9			
		TOT \$.4			.0	•		•		.0	.0				
	142	NO PCP	.3	.4	.0	.1	.0	.0	.0	••	.0	.0	1.2			
		PCP		.0												
	2<5	NO PCP	.5	1.1	1.0	.0	.1	.1	.0	.0	.0	.5	3.6			
		PCP	.1	.1	.1		.1	.1			.0		.6			
	5<10	NO PCP	4.4	8.8	2.6	.6	:5	.4	.5	.6	.0	.8	19.0			
	10.	PCP		34.8	. •	. :	. :	. :	0	0	:0	2.9	74.2			
	10+	NO PCP	24.4	34.9	5.4	1.0	1.4	1.4	1.0	1.8	.0	2.9	74.3			

TUT DBS 7426 TOT PCT 30.2 45.7 9.6 2.0 2.1 2.0 1.6 2.5 .0 4.3 100.0

TABLE 9

VSBY	SPO	N	NE	E	SE	s	SW	*	NW	VAR	CALM	PCT	TOTAL
(NH)	KTS				-	The state of							OBS
	0-3				*	.0	*	.0	.0	.0	*	.1	
<1/2	4-10	.1					.0	.0	*	.0		.2	
	11-21		*		.0	.0	.0	.0	.0	.0		.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.1	.1					.0		.0			
	0-3		.0	.0	.0	.0	.0	.0	.0	.0	.0		
1/2<1	4-10	.2	.1	.1	.0	*			.0	.0		.3	
	11-21	.1	.1		.0	.0	.0	.0		.0		.3	
	22+				.0	.0	.0	.0	.0	.0		.1	
	TOT \$.3	.3	.1	.0					.0	.0	.7	
	0-3		.0	.0	.0	.0	.0	.0	.0	.0			
1<2	4-10	.1	.2	.1	.1		.0		.0	.0		.5	
	11-21	.1	.3	.1		.0	.0	.0		.0		.5	
	22+		.1		.0	.0	.0	.0	.0	.0		.1	
	TOT %	.2	.5	.3	.1		.0			.0		1.2	
	0-3			.1					.0	.0	.4	.5	
245	4-10	.3	.5	.4	.1			*		.0		1.4	
	11-21	.2	.6	.5	.1					.0		1.4	
	22+			.1	.0	.0	.0	.0	.0			.3	
	TOT \$.5	1.3	1.1	.2	•1	.1			.0	.4	3.7	
	0-3	.2	.2	.2	.1		.1	.1	.1	.0	.7	1.6	
5<10	4-10	1.8	3.0	1.3	.4	.3	.2	.2	.4	.0		7.6	
	11-21	1.8	4.7	1.3	.1	*	.1	.1	.1	.0		8.2	
	22+	.2	.9	.3		.0		.0		.0	3410	1.4	
	TOT \$	4.0	8.8	3.0	.6	.4	.4	.4	.5	.0	.7	18.8	
	0-3	.8	.7	.4	.2	.3	.2	.2	.3	.0	2.6	5.7	
10+	4-10	8.4	11.4	2.9	.7	.9	.8	.6	1.2	.0		26.9	
	11-21	11.8	22.4	3.3	.2	.1	.2	.2	.3	.0		38.3	
	22+	.7	3.2	.4	.0	.0	.0	*	*	.0		4.4	
	TOT \$	21.8	37.6	7.0	1.1	1.3	1.2	1.0	1.8	.0	2.6	75.3	
	TOT OBS												9912
	TOT PCT	27.0	48.6	11.5	1.9	1.8	1.7	1.4	2.3	.0	3.8	100.0	1007.00

JANUARY

PERIOD:	(PRIMARY)	1923-1973
	(DVFR-ALL)	1855-1972

TABLE 10

AREA 0006 CAPE BLANC 20.3N 18.2W

PERCENT	FREQUENCY	DF	CEILING	HEIGHTS	(FEET, NH	>4/8)	AND

						11000	Contraction of the contraction o		4000	70 70	1.4000000000000000000000000000000000000				
	HOUR (GHT)	000	150	300 599	999	1000	2000 3499	3500 4999	5000	6500 7999	8000+	TOTAL	NH 45/8 ANY HGT	TOTAL	
0	60300	.4	.0	.2	.5	2.0	2.6	1.1	.3	.7	1.4	9.2	90.8	1486	
(96639	.6	.0	.3	. 8	3.2	2.6	1.2	.6	.5	1.5	11.4	88.6	1497	
1	2615	.5	.1	.1	1.0	3.3	2.5	1.7	.4	.4	1.4	11.5	88.5	1672	
1	18621	.3	.0	.1	.6	2.8	2.5	1.8	.5	.6	1.5	10.7	89.3	1582	
	TOT	28	2	11	45	178	160	30	29	33	92	668	5569	6237	

TABLE 11

TARIE 1

					Tr < 11							•-		
		PERCENT	FREQUENC	Y VSBY	(NM)	BY HOUR		CUMULAT	IVE PCT	FREQ G HGT	OF RAN	GES OF NH >4/8	VSBY (NM)	AND/DR
HOUR (GHT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TUTAL	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL
00603	.2	.6	.7	4.1	17.5	76.9	2207	60300	.4	.7	5.0	7.8	87.2	1441
06609	.4	.7	.9	3.0	21.4	73.6	2759	90360	.6	1.2	4.7	9.7	85.5	1437
12615	.4	.5	1.1	3.8	16.7	77.5	2395	12615	.6	.9	5.3	9.5	85.3	1629
18621	.3	1.1	1.9	4.2	19.5	73.1	2739	18621	•3	.5	5.7	9.4	84.9	1527
TOT	33	74	118	378	1912	7585 75.1	10100	TOT	28	48	313	550 9.1	5171 85.7	6034

T	Δ	R	1	F	1	2

TEMP F

PERC	ENT FR	EQUENC	Y OF R	ELATIV	HUM1	DITY B	Y TEMP		
								TOTAL	PCT
0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	OBS	FREQ
.0	.0	.0	.0		.0	.0	.0	,	
.0	.0	.0		.2	.2	.1	.0	27	.5
:0		.2	1.4	3,4	4.7	2.7		761	13.8
.0	.0	.7	4.0	9.2	15.8	19.3	8.3	3150	57.3
.0	.0	.1	1.3	3.7	7.9	9.9	5.1	1551	28.2
.0	.0	.0	.0	.1	.1		.1	12	.2
0	1	59	371	912	1581	1763	815	5502	100.0
.0		1.1	6.7	16.6	28.7	22.0	14.8		

TABLE 14

	PERC	ENT FR	EQUENC	OF W	IND DI	RECTIO	N BY T	EMP	
N	NE	E	SE	S	SW	W	NW	VAR	CALM
		.0	.0	.0	.0	.0	.0	.0	.0
.1	.2	.1		.0				.0	*
3.7	5.4	2.1	.6	.4	.3	.3	.5	.0	.4
17.0	25.6	6.1	1.1	1.4	1.5	1.0	1.6	:0	1.9
9.1	15.6	1.8	.3	.2	.3	.3	.3	.0	.4
	.2	•0	.0	.0	.0	.0	.0	.0	.0
30.0	46.9	10.1	2.1	1.9	2.2	1.5	2.4	.0	2.8

TABLE 15

	MEANS,	XIKEM	ES AND	PERCEN	TILES	OF TEN	IP (DE	G F) B	Y HOUR
HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL
00803	82 79	73	70	66	62	60 59	54	65.8	2669 3692
12615	83	78	74	68	63	60	55	68.0	2811
18621	84	77	73	67	63	61	55	67.6	3584

TABLE 16

· Enc	EIN! . NE	dofine.			on a barri	DI MUOI	
0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
.0	2.9	9.5	26.5	40.9	20.3	81	1333
.0	6.8	13.5	23.4	36.2	20.1	79	1434
.0	14.4	23.1	30.2	23.0	9.2	73	1430
.0	6.6	18.7	33.6	29.6	11.4	76	1442
0	437	921	1606	1820	855	77	5639
	0-29	0-29 30-59 .0 2.9 .0 6.8 .0 14.4 .0 6.6	0-29 30-59 60-69 .0 2.9 9.5 .0 6.8 13.5 .0 14.4 23.1 .0 6.6 18.7	0-29 30-59 60-69 70-79 .0 2.9 9.5 26.5 .0 6.8 13.5 23.4 .0 14.4 23.1 30.2 .0 6.6 18.7 33.6	0-29 30-59 60-69 70-79 80-89 .0 2.9 9.5 26.5 40.9 .0 6.8 13.5 23.4 36.2 .0 14.4 23.1 30.2 23.0 .0 6.6 18.7 33.6 29.6	0-29 30-59 60-69 70-79 80-89 90-100 .0 2.9 9.5 26.5 40.9 20.3 .0 6.8 13.5 23.4 36.2 20.1 .0 14.4 23.1 30.2 23.0 9.2 .0 6.6 18.7 33.6 29.6 11.4	.0 2.9 9.5 26.5 40.9 20.3 81 .0 6.8 13.5 23.4 36.2 20.1 79 .0 14.4 23.1 50.2 23.0 9.2 73 .0 6.6 18.7 33.6 29.6 11.4 76

PERIOD: (PRIMARY) 1923-1973 (DVER-ALL) 1855-1973

TABLE 17

AREA 0006 CAPE BLANC 20.3N 18.2W

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)

		VS A	IR-SE	TEM	PERATL	RE DI	FFERE	NCE (D	EG F)		
AIR-SEA THP DIF	53 56	57	61	65	69 72	73 76	77 80	81 84	TOT	FOG	FOG
17/19	.0	.0	.0	.0	.0	.0	.0		2	.0	
14/16	.0	.0	.0		.0			.1	12	.0	.2
11/13	.0	.0		.1	.0	.3	.2		42	.1	.5
9/10	.0	.0			.2	.4	. 2		58	.1	.8
7/8	.0	.0		.2	.7	.5	.1	.0	98	.1	1.3
6	.0	.0	.1	.2	.5	.2	.0	.0	62		.9
5	.0	.0	.1	.8	1.1	.4		.0	166	.1	2.4
4	.0	.0	.3	1.7	1.8	.5	.0	.0	290	.2	4.1
3	.0		.5	3.6	2.3	.2	.0	.0	453	.2	6.5
2	.0	.0	1.6	5.7	2.8	.5		.0	717	.5	10.1
1	.0	.1	3.7	7.9	3.2	.3		.0	1029	.5	14.7
0	.0	.2	5.8	9.8	2.5	.2	.0	.0	1249	.7	17.7
-1		.2	5.6	7.2	1.8	.2		.0	1015	.4	14.5
-2	.0	.3	3.6	4.7	1.1	.1			659	.3	9.4
-3	.0	.2	2.0	2.7	.4	.0	.0	.0	358	.1	5.2
-4		.3	1.8	1.4	.2	.0	.0	.0	257	.1	3.7
-5		.4	1.2	. 8	.1	.0	.0	.0	175		2.6
-6	.0	.1	.4	.4	.1	.0	.0	.0	62		.9
-7/-5	.1	.1	.4	.3	.1	.0	.0	.0	59		.8
-9/-10			.1	.1		.0	.0	.0	16	.0	.2
-11/-13					.0	.0	.0	.0	8	.0	.1
-14/-16	.0	.0		.0	.0	.0	.0	.0	1	.0	
TOTAL	14		1838	-	1281		40			229	6559
PCT	.2	125		3223		3.7	.6	16	100.0	3.4	96.6

PERIOD: (DVER-ALL) 1963-1973

TABLE 1

				PC	T FREQ D	F WIND	SPEED	(KTS)	AND DIRE	CTION V	ERSUS S	EA HEIG	HTS (FT)		
				N								NE			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.8	2.0	.2	.0	.0	.0	3.1		.4	1.8	.2	.0	.0	.0	2.3
1-2	.5	6.1	3.2	.0	.0	.0	9.8		.4	7.4	4.4	.0	.0	.0	12.1
3-4	.1	3.2	6.2	.1	.0	.0	9.6			3.7	9.2	.4	.0	.0	13.4
5-6		. 8	5.3	.2	.0	.0	6.4			.9	6.8	.8		.0	8.5
7	.0	.1	2.1	.4	.0	.0	2.6		.0	.2	2.8	. 8	.0	.0	3.8
8-9	.0		.3	.2	.0	.0	.5		.0		.5	.4		.0	.9
10-11	.0		.3	.1	.0	.0	.4		.0		.2	.3	.0	.0	.4
12	.0	.0		.0	.0	.0			.0	.0			.0	.0	.1
13-16	.0	.0	.0		.0	.0			.0	.0	.0	.1	.0	.0	.1
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	0		.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.4	12.3	17.6	1.1	•0	.0	32.4		.8	14.0	24.1	2.8	•	•0	41.7
				E								22-33			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.4	.6	.1	.0	.0	.0	1.1		.2	.2		.0	.0	.0	.5
1-2	.1	2.1	1.0	.0	.0	.0	3.2		.1	.6	.2	.0	.0	.0	.9
3-4	.0	1.3	1.4		.0	.0	2.7			.3	.1	.0	.0	.0	.4
5-6	.0	.3	1.1		.0	.0	1.4		.0	.1	.2	.0	.0	•0	.3
7	.0	.0	.4	.1	.0	.0	.6		.0	.0		.0	.0	.0	
8-9	.0	.0	.1	.1	.0	.0	.5		.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0		.0	•	.0			.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	•0	.0
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	•0	.0
20-22	.0	.0	.0	•0	.0	.0	.0		•0	•0	•0	.0	.0	•0	.0
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	•0	.0
33-40	.0	.0	.0	.0	.0	:0	.0		.0	.0	.0	.0	.0	.0	.0
										•0					
41-48	.0	.0	.0	.0	.0	.0	.0		.0	•0	.0	.0	.0	•0	.0
61-70	.0		.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0		•0	•0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0		.0	•0	.0	.0	.0	.0	.0
TOT PET	.5	4.2	4.1	.3	.0	.0	9.2		.3	1.2	.5	.0	.0	.0	2.1
ini bei		4.2	4.1			.0	4.2			1.2	• >	.0	•0	•0	5.1

PERIOD:	/ove	0-4111	1963-1	0-3					JANUARY					0006	CAPE B	
PEKTOD.	TUTE	K-ALL!	1703-	. 7/3				TABLE	18 CONT)			AKEA	20.		8.2W
				PC	T FREO	OF WIND	SPEED	(KTS)	AND DIRE	CTION	VERSUS	SEA HEIG	SHTS (FT)		
HGT	1-3	. 10	11-21	5	34-47							SW				
<1		4-10	11-21	22-33		48+	PCT		1-3	4-10			34-47	48+	PCT	
1-2	.2	:4		.0	.0	.0	.6		.1	• 4			.0	.0	.6	
3-4	.0	.3	:1	.0	.0	.0	.9		.2	. 8			.0	.0	1.1	
5-6	.0		.1	.0	.0	.0	.1		.0				.0	.0	.1	
7	.0	.0	.0	.0	.0	.0	.0		.0				.0	.0	*	
8-9	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	0		.0	.0		.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0		.0	• 0			.0	.0	.0	
TOT PCT	•2	1.5	.3	.0	.0	.0	2.0		.3	1.6	2	.0	.0	.0	2.1	
												NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL
<1	.2	.2	.0	.0	.0	.0	.4		.3	.5			.0	.0	.8	
1-2	. 1	.5	.1	.0	.0	.0	.7		.1	. 8			.0	.0	1.1	
3-4	.0	.1		.0	.0	.0	.1			.3	.1	. 0	.0	.0	.4	
5-6	.0		.1	.0	.0	.0	.1		.0	• 1	.1	.0	.0	.0	.1	
7	.0	.0	.0	.0	.0	.0	.0		*	.0	.1	.0	.0	.0	.1	
8-9	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0		
10-11	.0	.0		.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0		.0	• 0			.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0	.0	
33-40 41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0		•0	.0			.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0		.0	•0			.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0	.0	
TOT PCT	.3	.9	.2	.0	.0	.0	1.4		.5	1.6			.0	.0	2.5	93.5
	• •	.,			.0	.0			.,	1.0	.,	.0	.0	.0	2.0	,,,,

	WIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)			
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT	
<1	9.7	6.1	.5	.0	.0	.0	16.3	003	
1-2	1.8	19.1	9.1	.0	.0	.0	30.0		
3-4	•1	9.3	17.0	.6	.0	0	27.1		
5-6		2.2	13.5	1.0	*	.0	16.8		
7		.3	5.3	1.4	.0	.0	7.0		
8-9	.0		1.0	.6		.0	1.7		
10-11	.0	*	.5	.4	*	.0	.9		
12	•0	.0	*	*	.0	.0	.1		
13-16	•0	.0	.0	.1	.0	.0	.1		
17-19	.0	.0	.0	.0	.0	.0	.0		
20-22	•0	.0	.0	.0	.0	.0	.0		
23-25	•0	.0	.0	.0	.0	.0	.0		
26-32	.0	.0	.0	.0	.0	.0	.0		
33-40	•0	.0	.0	.0	,0	.0	.0		
41-48	•0	.0	.0	.0	.0	.0	.0		
49-60	•0	.0	.0	.0	.0	.0	.0		
61-70	•0	.0	.0	.0	.0	.0	.0		
71-86	•0	.0	.0	.0	.0	.0	.0		
87+	•0	.0	.0	.0	.0	.0	.0		
								4047	
TOT PCT	11.6	37.1	47.1	4.2	.1	.0	100.0		

PERIOD): (OV	ER-ALL) 194	9-197	3				TABLE	19											
					PERCENT	FRE	DUENCY	OF W	AVE HEI	GHT (FT	r) vs	WAVE P	ERIOD	(SECON	(2)						
PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	1	2 13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN
<6	1.9	9.5	11.1	6.1	2.7	.6	.4		1 *	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1611	3
6-7		1.8	5.3	6.4	4.2	1.8	:8		2 .2		.0	.0		.0	.0	.0	.0	.0	.0	1022	5
8-9		.6	1.8	3.1	2.9	2.1	1.0		2 .3		.1	.0	.0	.0	.0	.0	.0	.0	.0	602	6
10-11	.0	.7	.8	1.2	1.0	. 8	.8		1 .1				.0	.0	.0	.0	.0	.0	.0	280	6
12-13	.0	.0	.8	.5	.5	.8	.4		2 .3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	180	8
>13	.0	.0	.0	.6	.5	.2	.4		3 .1	.1		.0	.0	.0	.0	.0	.0	.0	.0	111	8
INDET	5.7	4.6	5.7	2.9	2.7	1.0	.4		1		.0	.0	.0	.0	.0	.0	.0	.0	.0	1151	3
TOTAL	379	854	1265	1029	718	358	212	. 5	6 61	17	7	1	0	0	0	0	0	0	0	4957	5
PCT	7.6	17.2	25.5	20.8	14.5	7.2	4.3	1.	1 1.2	.3	.1	*	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1923-1973 (OVER-ALL) 1655-1973

TABLE 1

AREA 0006 CAPE BLANC 20.3N 18.1W

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

					-										
				RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST	THOR	FOG WD PCPN	FOG WU PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	
N		.1	.1	.0	.0	.0	.0	.2	-1	.5	2.0	.1	3.1	1.0	93.0
NE	.3			.0	.0	• 0			.1	. 8	1.7	.0	3.2	1.1	92.9
E	.9	.5	.0	.0	.0	.0	.0	1.4	.2	.9	3.9	.2	5.9	.9	86.6
SE	6.1	.0	3.5	.0	.0	•0	.0	9.6	6.1	.0	.0	.4	2.2	.4	81.2
S	3.0	.0	1.0	.0	.0	.0	.0	4.0	2.3	6.0	2.7	.0	1.0	2.3	83.6
SW	3.3	.9	1.1	.0	.0	•0	.0	5.3	2.7	.4	6.7	.9	1.1	.0	83.4
	. 8	.0	.0	.0	.0	•0	.0	.8	.0	.0	5.4	.0	1.2	1.3	91.2
NW	.1	.0	.3	.0	.0	.0	.0	.4	.2	.9	5.2	.1	3.5	.4	89.2
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.4	.0	.0	.0	.0	.4	.4	.4	5.9	.4	3.7	1.1	87.9
TOT PCT	7385	.1	.1	.0	.0	.0	.0	.5	.2	.7	2.4	.1	3,2	1.0	91.9

TABLE ?
PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			P	RECIPI	TATIO	TYPE					OTHER	WEATHER	PHEND	HENA	
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HATL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	ND SIG WEA
00603 06609 12615 18621	.2 .5 .3	·1 ·2 ·1 ·1	.2 .2 .1	.0	.0	•0	.0	.5 .8 .4	.2 .3 .3	1.1	1.8 2.6 2.3 3.1	.0 .1 .2	2.5 1.7 3.8 4.9	1.2 .8 .9 1.4	92.8 92.5 92.1 89.3
TOT DBS:	7577	.1	.1	.0	.0	•0	.0	.6	.2	.7	2.5	•1	3.2	1.1	91.6

TABLE 3
PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

						and the second											
		WI	ND SPE	ED IKN	OTS)								HOUR	(GMT)			
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	FREQ	SPD	00	03	06	09	12	15	18	21
N NE	1.3	13.7	19.3	2.5	.1	.0		36.9	12.6	42.8	48.9	35.9 45.1	26.8	30.9	50.0	41.5	36.4
E	.4	2.3	2.6	.6		.0		5.9	12.5	3.8	2.8	5.3	9.5	8.2	4.6	4.8	5.4
SE	. 2	.3	.2	*	.0	.0		.7	8.8	.5	2.0	.8	.5	1.1	.8	.6	.4
S	.2	.5	.1			.0		.8	7.5	.8	.5	.7	.4	1.0	.5	.9	.7
SW	.3	.9	.1	.1		.0		1.4	7.1	1.5	1.6	1.6	1.4	1.2	1.5	1.3	.9
W	.4	1.2	.3		.0	.0		2.0	7.1	2.2	2.0	2.1	1.7	1.8	2.6	1.6	2.4
NW	.7	3.1	1.4	.1	.0	.0		5.4	8.8	5.7	5.3	5.0	4.8	4.7	4.1	6.8	4.9
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	2.6							2.6	.0	3.1	6.3	3.5	1.2	2.4	1.6	2.5	1.4
TOT OBS	936	4860	6796	1236	32	1	13861		12.5	2683	160	2706	1287	2821	184	2753	1267
TOT PCT	6.8	35.1	49.0	8.9	. 2			100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TΔ	BI	F	3	Δ

WND DIR	0-6	7-16	SPEED 17-27	(KNOTS) 28-40	41+	TOTAL	PCT	MEAN SPD	00	06 09	12 15	18
N NE	5.9	21.2	9.3	1:2	:		36.9	12.6	43.2	33.0	32.1	39.9
E	1.2	3.0	1.4	.2	*		5.9	12.5	3.8	6.6	8.0	5.0
SE	.4	.2	.1		.0		.7	8.8	.6	.7	1.1	.5
5	.4	.3	.1		.0		.8	7.5	.8	.6	1.0	.9
SW	.9	.3	.1	.0	.0		1.4	7.1	1.5	1.6	1.3	1.2
W	1.1	.8	.1	.0	.0		2.0	7.1	2.2	2.0	1.8	1.8
NW	2.2	2.7	.5		.0		5.4	8.8	5.6	4.9	4.7	6.2
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	2.6						2.6	.0	3.2	2.8	2.4	2.2
TOT DBS	2647	7165	3790	257	2	13861		12.5	2843	3993	3005	4020
TOT PCT	19.1	51.7	27.3	1.9			100.0		100.0	100.0	100.0	100.0

FEBRUARY

PERIOD: (PRIMARY) 1923-1973 (OVER-ALL) 1855-1973

AREA 0006 CAPE BLANC 20.3N 18.1W

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GHT)

HOUR	CALM	1-3	4-10	WIND	SPEED (KNOTS) 34-47	48+	MEAN	PCT	TOTAL
00803	3.2	4.2	34.5	49.6	8.2	.1		12.3	100.0	2843
90300	2.8	4.2	33.2	49.8	9.7	.3	.0	12.7	100.0	3993
12615	2.4	4.1	35.4	48.5	9.4	.3	.0	12.6	100.0	3005
18621	2.2	4.1	37.0	48.3	8.3	.1	.0	12.3	100.0	4020
TOT	360	576	4860	6796	1236	32	1	12.5		13861
PCT	2.6	4.2	35.1	49.0	8.9	.2			100.0	

	PCT FRE	(EIGHTHS)	PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION															
WND DIE	0-2	3-4	5-7	8 & OBSCD	TOTAL	COVER	000 149	150	300 599	600	1000	2000	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL
N_	34.2	4.1	4.7			1.6	.2		.1	.4	1.0	.7	.5	.1	.2	.5	41.8	
NE	25.3	3.8	4.0	2.0		1.8	.1	.0		.4	1.0	.8	.5	.1	.2	.3	31.7	
Ε	2.3	.5	.6	.3		2.4	.0	.0			.1	.1	.2	.1	.0	.1	3.3	
SE	.3		.2	.3		4.4		.0		.1		.1	.1				.5	
S	.6	.1	.2	.1		2.7	.0								.0		.8	
SW	1.0	.1	.2	.2		2.2	.0				.1				.0		1.3	
W	1.2	.4	.2	.1		2.1	.0	.0	*		.1			.0	.0		1.7	
NW	4.3	. 8	.6			2.0	.1	.0	.0		.1	.1	.1		.1	.1	5.4	
VAR	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	2.6	.3	.7	.5		2.5			.0	.1	.1	.1			.1	.1	3.4	
TOT OB		610	687		6007	1.8	29	4	.0	61	149	118	90	27	36	75	5409	6007
TOT PC		10.2	11.4		100.0		.5		,	1.0	2.5	2.0	1.5	.4		1.2	90.0	100.0
	12.0	10.2	11.4	6.4	100.0		.,	.1		1.0	2.0	2.0	1.0		.6	1.4	70.0	100.0

TABLE 7

CUMULATIVE PCT FREQ	OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT	(NH >4/8) AND VSBY (NM)

					VSBY (NH)			
C	EILING	- OR	- OR	= CR	. OR	- DR	. DR	. DR	- DR
	FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
OR	>6500	1.1	1.7	1.9	1.9	1.9	1.9	1.9	1.9
OR	>5000	1.4	2.1	2.3	2.4	2.4	2.4	2.4	2.4
OR	>3500	2.5	3.5	3.8	3.9	3.9	3.9	3.9	3.9
	>2000	4.1	5.4	5.8	5.8	5.9	5.9	5.9	5.9
OR	>1000	5.9	7.8	8.3	8.4	8.4	8.4	8.4	8.4
	>600	6.5	8.7	9.3	9.4	9.4	9.4	9.4	9.4
	>300	6.6	8.8	9.4	9.5	9.6	9.6	9.6	9.6
	>150	6.6	8.8	9.5	9.6	9.6	9.6	9.6	9.6
	> 0	6.6	8.9	9.7	9.8	9.9	10.0	10.0	10.1
	TOTAL	406	546	596	602	605	610	614	618

TOTAL NUMBER OF OBS: 6122 PCT FREQ NH <5/8: 89.9

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

62.1 12.1 7.2 4.5 3.2 1.8 2.3 2.3 3.9 .5 6377

	22	11	•	v

PERIOD: (PRIMARY) (OVER-ALL)	1923-1973 1855-1973						TA	BLE 8				ARE	A 0006 CAPE 20.3N	BLANC 18.1
		P	ERCENT	FREO D	F WIN	DIRE	TH VAR	VS UCC	ALUES	E OR N	IBILI	URRENC	E OF	
VSBY (NM)		N	NE	•	SE	5	SW	*	NW	VAR	CALM	PCT	TOTAL	
	PCP		.0	.0	.0	.0	.0	.0	.0	.0	.0			
<1/2		.1	.1	.0	.0	.0				.0	.1	.2		
	TOT &	.1	.1	.0	.0	.0				.0	.1	.3		
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
1/2<	NO PCP	:4	.3	. 1	.0	.0		.1	.1	.0	:			
	TOT &	.4	.3	1 1	.0	:0		:1	.1	.0		1.1		
	PCP	.0	.0	.0					.0	.0	.0			
1<2	NO PCP	.3	.5	:1	.0		.0	.0	.0	.0	:	.9		
	TOT &	.3	.5	.1	•				.0	.0		.9		
	PCP		.0		.1			.0		.0		.1		
2<5	NO PCP	1.3	:7	. 3		.0	.1	.1	.4	.0	.2	3.0		
	TOT \$	1.3	.7	.3	.1	•	:1	.1	:4	.0	.2	3.1		
	PCP	.1	.1				.1			.0	.0	.3		
5<10	NO PCP	8.4	7.9	1.0	.2	.2	.3	.5	1.2	.0	.6			
	TOT &	8.5	8.0	1.1	.2	.2	.3	.5	1.2	.0	.6	20.6		
	PCP		.1		.0	.0	.0	.0	.0	.0	.0	.1		
10+	NO PCP	34.1	26.5	2.6	.5	.8	1.0	1.4	4.3	.0	2.8	73.9		
	TOT %	34.1	26.5	2.6	.5	. 8	1.0	1.4	4.3	.0	2.8	74.0		
	TOT OBS												7372	
	TOT PCT	44.7	36.0	4.2	. 8	1.0	1.5	2.0	6.0	.0	3.7	100.0		

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

				,	IIIH VA	RTING	VALUE	S UF V	IZIBIL	111			
VSBY	SPD KTS	N	NE	E	SE	s	54	*	NW	VAR	CALM	PET	TOTAL
	0-3	.0	.0	.0	.0	.0			.0	.0		.1	
<1/2	4-10			.0	.0	.0	.0	.0		.0		.1	
	11-21			.0	.0	.0	.0	.0		.0			
	22+		.0	.0	.0	.0	.0	.0	.0	.0			
	TOT %	.1		.0	•0	•0				.0	*	.2	
	0-3		.0	.0	.0	.0		.0	.0	.0			
1/2<1		.1	.1		.0	.0			.1	.0		.3	
	11-21	.2	.2	.1	.0	.0	.0		*	.0		.4	
	22+				.0	.0			.0	.0		.1	
	TOT %	.3	• 2	•1	•0	.0		.1	.1	.0		.9	
	0-3					.0	.0			.0			
1<2	4-10	.1	.2		.0					.0		.4	
	11-21	.1	.2		.0	.0	.0	.0	.0	.0		.4	
	22+		.5	.0	:	*	.0	.0	.0	.0		.1	
	TOT %	.3	.5	.1						.0	*	1.0	
	0-3	.1			.0	.0		.0		.0	.1		
2<5	4-10	.6	.4	.1		.0	.1	*	.1	.0		1.4	
	11-21	.6	.4	.1		*		.0	.2	.0		1.2	
	22+	.1	*			.0	.0	.0	.0	.0		.5	
	TOT %	1.3	.8	.2	•1		•1		.4	.0	.1	3.1	
	0-3	.2	.2	.1			.1	.1	.1	.0	.5		
5<10		2.5	1.9	.5		.1	.2	.3	.6	.0		6.1	
	11-21	3.7	4.2	.5	• 1		*	.1	.3	.0		8.9	
	22+	. 6	1.3	.1	.2			.0	*	.0		2.3	
	TOT %	7.3	7.7	1.2	• 2	• 2	.3	.4	1.0	.0	.5	18.7	
	0-3	1.1	.5	.3	.1	.2	.2	.3	.6	.0	2.4	5.7	
10+	4-10	11.9	9.6	1.4	.2	.4	. 8	.9	2.6	.0		27.8	
	11-21	16.9	17.6	1.5	.1	.1	*	.2	1.1	.0		37.5	
	22+	1.7	3.2	.2		.0	*	*	.1	.0		5.2	
	TOT %	31.5	30.8	3.5	.4	.6	1.1	1.4	4.4	.0	2.4	76.2	
	TOT OBS												10267
	TOT PCT	40.9	40.0	5.0	.7	. 8	1.5	1.9	5.9	.0	3.2	100.0	

FERRUARY

PERIOD: (PRIMARY) 1923-1973 (DVER-ALL) 1855-1973

TABLE 10

AREA 0006 CAPE BLANC 20.3N 18.1W

PERCENT	FREQUENCY	DF CE	ILING	HFIGHT	S (FEET, NH	>4/81	AND

HOUR (GMT)	000	150 299	300 599	999	1000	2000 3499	3500 4999	5000	6500	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL
00603	.3	.1	.1	.9	2.2	1.5	1.1	.3	.5	.9	7.9	92.1	1487
90360	.5	.1	.1	1.3	3.2	2.2	1.3	.5	.3	1.2	10.6	89.4	1518
12615	.5	.0	.2	1.1	2.3	2.9	1.9	.5	.6	1.7	11.8	88.2	1688
18421	.5	.1	.1	.6	2.3	1.1	1.5	.4	.9	1.3	8.8	91.2	1616
TOT	29	.1	9	62	156	123	92	27	37	82	621		6309

TABLE 11

TABLE 12

		PERCENT	FREQUEN	ICY VSBY	(MM)	BY HOUR		COMOLAT	CEILIN	G HGT	(FEET,	NH >4/8	VSBY (NM)	AND/UR
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00603	.1	.5	.7	3.1	18.7	76.9	2278	00603	.3	.6	4.5	6.1	89.4	1438
90300	•2	1.1	.8	2.2	19.6	76.0	2838	90360	.5	1.0	4.6	8.4	87.0	1456
12615	.3	.8	1.0	3.8	15.7	78.4	2457	12615	.5	.8	5.5	9.5	85.0	1646
18621	.3	1.3	1.5	3.6	20.1	73.3	2892	18621	.5	.9	5.7	6.8	87.5	1582
TOT	25	99	104	331	1950	7956 76.0	10465	TOT	29	50	312 5.1	475	5335 87.1	6122

TABLE 13

	PERCI	ENT FR	EQUENC	Y OF R	ELATIV	E HUMI	DITY B	Y TEMP		
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL	FREQ
80/84	.0		.0	.1		.0	.0	.0	6	.1
75/79	.0	.0	.0	.2	.3	.4	.1	.1	56	1.0
70/74	.0	.0	.1	.6	2.7	6.0	4.5	. 9	852	14.7
65/69	.0	.0	.1	1.5	5.3	16.5	23.7	9.0	3248	56.1
60/64	.0	.0		. 2	2.3	7.4	10.9	7.0	1616	27.9
55/59	.0	.0	.0	.0	.0		.1	.1	12	.2
TOTAL	0	1	8	143	622	1760	2274	982		100.0
PCT	.0		.1	2.5	10.7	30.4	19.3	17.0		

TABLE 14

	PERCE	NT FRE	QUENCY	OF W	IND DI	RECTION	BY T	EMP	
N	NE	E	SE	S	SW		NW	VAR	CAL
			.0	.0	.0	.0		.0	.0
.4	.3	.1				.0	.1	.0	. 1
6.7	4.9	.9	.1	.1	.2	.3	1.1	.0	
26.2	19.2	2.3	.4	.4	. 8	1.2	3.7	.0	1.9
11.9	12.4	. 8	.3	.3	.3	.3	. 8	.0	
.1	.1		.0	.0	.0	.0	.0	.0	
45.3	37.0	4.1	.9	.9	1.2	1.8	5.7	.0	3.2

TABLE 15

		ENTREM	E3 AND	LEKCEN	111663	O E.	10	G F / B	HUUK
HOUR (GMT)	MAX	99%	95%	50%	5%	12	MIN	MEAN	TOTAL
£0300		72	69	65	61	59	50	65.2	2871
12615	84	77	73	68	63	61	52	68.0	2970
18621	86	78	73	67	62	61	50	67.4	3981
TOT	86	76	72	66	62	60	50	66.3	13833

TABLE 16
PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
00603	.0	.5	4.8	22.7	46.3	25.7	84	1403
20809	.0	2.1	7.4	25.5	40.0	25.0	82	1509
12615	.0	5.0	18.2	35.3	32.5	9.0	76	1500
18621	.0	2.7	11.9	36.6	38.3	10.5	78	1534
TOT	0	155	635	1794	2327	1035	80	5946

F	F	8	R	U	Δ	R	٧

PERIOD:	(PRIMARY)	1923-1973

TABLE 17

AREA 0006 CAPE BLANC 20.3N 18.1W

(UVER-ALL)	1855-197	3						т	ABLE	17					20.3N
	PCT	FREQ	OF A	IR T								OF FOG (T PRECI	PITATIO
	AIR-SEA	49 52	53 56	57	64	68	69 72	73 76	80	81	85	TOT	FDG	FOG	
	20/22	.0	.0	.0	.0	.0	.0	.0	.0		.0	1	.0		
	17/19	.0	.0	.0	.0	.0	.0	.0	.0			2	.0		
	14/16	.0	.0	.0	.0	.0			.1	.1	.0	12	.0	.2	
	11/13	.0	.0	.0	.0	.0		.2	.2	.1		37	.0	.5	
	9/10	.0	.0	.0	.0		.3	.6	.2		.0	73	.1	1.0	
	7/8	.0	.0	.0		.1	.6	:0	.1	.0	.0	102	.1	1.4	
	6	.0	.0	.0	.0			.4		.0	.0	107	.1	1.5	
	5	.0	.0	.0		.9	1.6	:5			.0	211	.1	3.0	
	4	.0	.0		.3	1.7	2.2	.4			.0	318	.2	4.5	
	3	.0	.0	.0	.4	3.2	2.9	.5		.0	.0	473	.3	6.7	
	2	.0	.0	.0	1.4		3.0	.3			.0	725	.3	10.4	
	1	.0	.0		3.5	8.8	3.2	.2	.0	.0	.0	1062	.4	15.3	
	o	.0	.0	.1	6.4	11.0	2.7	.1		.0	.0	1386	.5	19.9	
	-1	.0	.0	.3	5.6	7.1	1.5		.0	.0	.0	994	.4	14.3	
	-2	.0		.2	4.2		.7			.0	.0	603	.2	8.7	
	-3	.0	.0	.1	2.0				.0	.0	.0	320		4.7	
	-4	.0	.0	.1	1.6	.9			.0	.0	.0	184	.1	2.7	
	-5	.0	.0	.1	.6	.4		.0	.0	.0	.0	79		1.1	
	-6	.0		.1	.3			.0	.0	.0	.0	40			
	-7/-8	.0	.0	.1	.2			.0	.0	.0	.0	35		.5	
	-9/-10	.0	.0					.0	.0	.0	.0	8	.0	.1	
	-11/-13			.0			.0	.0	.0	.0	.0	13	.0	.2	
	-14/-16		- :	.0	.0			.0	.0	.0	.0	12	.0	.1	
	TOTAL	5	_	77		3171	•0	272	•0	18	•0		184	6605	
			4	.,	1811	31.1	1380	212	47		•	6789	104	0005	
	PCT	.1	.1	1.1		46.7	20.3	4.0	.7	.3	*	100.0	2.7	97.3	

PERIOD: (DVER-ALL) 1963-1973

TABLE 18

				PC	T FREQ	OF WIND	SPEED	(KTS) A	ND DIREC	TION V	ERSUS S	EA HEIG	HTS (FT		
нет	1-3	4-10	11-21	N 22-33	34-47	48+	PCT		1-3	4-10	11-21	NE 22-33	34-47	48+	PCT
<1	.9	3.5	.2	.0		.0	4.6		.3	1.4	11-21	.0	.0		1.8
1-2	:4	8.7	4.6	.0	.0	:0	13.7		.2	6.0	3.0	.0	.0	.0	9.2
3-4		3.5	9.4	.5	.0		13.5		*	1.9	6.3	.3	.0	.0	8.6
5-6	.0	1.1	7.0	1.0	.0	.0	9.1		.0	.6	5.6	.6	.0	.0	6.8
7	.0	.3	3.1	.9			4.3		.0	.1	2.2	.8		.0	3.1
8-9	.0		.9	.3	.0	.0	1.3		.0	*	.6	.6	.0	.0	1.2
10-11	.0	.0	.5	.2		.0	.8		.0	.0	.3	.4	.0	.0	.7
12	.0	•		.1	.0	.0	.2		.0	.0	.1	.1	*	.0	.1
13-16	.0	.0	.1		.0	.0	.1		.0	.0	.1	.2	.0	.0	.3
17-19	.0	.0		.0	.0	.0			.0	.0		.0		.0	
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0		.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
TOT PET	1.3	17.2	25.9	3.1	•1	.0	47.6		.6	10.2	18.1	3.0	.1	.0	31.9
				E											
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.3	.0	.0	.0	.0	.4		.1	.1	.0	.0	.0	.0	.1
1-2		1.0	.4	.0	.0	.0	1.5		.0	.3		.0	.0	.0	.3
3-4	.0	.6	.7	.0	.0	.0	1.2		.0	.1	.1	.0	.0	.0	.2
5-6	.0	.1	.3		.0	.0	.4		.1	.0			.0	.0	.1
7	.0	.0	.0		.0	.0			.0	.0	.1	.1	.0	.0	.1
8-9	.0	.0		.0	.0	.0			.0	.0	.0		.0	.0	
10-11	.0	.0	.0	.0		.0			.0	.0	.0		.0	.0	
12	.0	.0	.0		.0	.0			.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	•0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0		.0		.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	1.3	.0	.0		.0		.0	.0	.0	.0	.0	.0	.0
TOT PCT	.1	2.0	1.3	.1		.0	3,6		•1	.4	.2	.1	.0	.0	.,

PERIOD:	Inve	P-A11)	1963-1	077					FEBR	UARY				ADEA	0006	APE 81	ANC
PER 100.	(012	N-ALL!	1703-1	17/3				TABLE	18	(CONT)				****	20.3		.1W
				PC	T FREQ	OF WIND	SPEED	(KTS)	AND	DIREC	TION	VERSUS	SEA HEIG	HTS (FT)			
HGT				5									22-33	34-47			
<1	1-3	4-10	11-21	22-33	34-47	48+	PCT			1-3	4-10	11-21	.0		48+	PCT	
1-2	.0	.3	.0	.0	.0	.0	:3			.1	.6	.0	.0	.0	.0	:7	
3-4	.0	.1		.0	.0	.0	.2			.0	.2		.0	.0	.0	.2	
5-6	.0	.0	.1		.0	.0	.1			.0			.0	.0	.0	.1	
7	.0		.0	.0	.0	.0				.0				.0	.0	.:	
8-9	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0		
17-19	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
TOT PCT	.1	.7	.1		.0	.0	1.0			.1	1.2			.0	.0	1.4	
													NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT			1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.2	.2	.0	.0	.0	.0				.3	.9		.0	.0	.0	1.3	
1-2	.1	.6	.1	.0	.0	.0	:4			.2	1.7			.0	.0	2.5	
3-4		.2	.1	.0	.0	.0	.3			.0	.6	1.0		.0	.0	1.6	
5-6	.0			.0	.0	.0	.1				.2		.1	.0	.0	. 8	
7	.0	.1	.0	.0	.0	.0	.1			.0				.0	.0	.2	
8-9	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.1	
10-11	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	0	.0		
17-19	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0		.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0		.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0		.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
TOT PCT	.3	1.2	.2	.0	.0	.0	1.7			.5	3.4	2.5	.1	.0	.0	6.5	94.5

	MIND	SPEFD	(KTS)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	8.2	7.0	.3	.0	.0	.0	15.5	
1-2	1.3	19.2	8.6	.0	.0	.0	29.1	
3-4	•1	7.1	17.4	. 8	.0	.0	25.5	
5-6	•1	2.0	13.3	1.7	.0	.0	17.1	
7	•0	.5	5.4	1.8	.1	.0	7.8	
8-9	•0	.1	1.6	1.0	.0	.0	2.6	
10-11	.0	.0	.8	.6	.1	.0	1.5	
12	.0		.1	.2		.0	.3	
13-16	•0	.0	.2	.3	.0	.0	.4	
17-19	•0	.0		.0		.0	.1	
20-22	•0	.0	.0		.0	.0		
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	•0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	•0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	•0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
The State of the S	-						. Circum	3820
TOT PCT	9.7	36.0	47.7	6.4	.2	.0	100.0	

PERIOD: (PRIMARY) 1923-1973 (QVER-ALL) 1855-1973

TABLE 1

AREA 0006 CAPE BLANC 20.3N 18.1H

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

			,	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN	DRZL	FRZG	SHOW	OTHER FRZN PCPN	HATL	PCPN AT	PCPN PAST	THOR	FOG NO PCPN	PCPN PAST HR	SMOKE		NO SIG WEA
N.	:	:1	:	:0	.0	•0	:0	:1	-1	:3	2.5	:	4:5	1:7	90.7
N NE SE S N N N N N N N N N N N N N N N	1.0		.0	.0	.0	.0	.0	1.6	.0	2.5	3.3	.0	6.2		83.9
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	16.1	.0	1.8		82.1
3	1.4	1.4	1.8	.0	.0	.0	.0	2.7	•0	1.4	1.7	.0	3.1	.0	93.4
w	***	.9	.0	.0	.0	.0	.0	1.3	:0	2.6	6.9	.0	6.9	.0	81.0
	.3	.0	.4	.0	.0	.0	.0	.8	.0	1.6	5.6	.5	4.8		85.7
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.8	.0	3.1	3.9	85.2
TOT PCT	7803	.1	.1	.0	.0	.0	.0	.3	.1	.6	2.6	.1	4.6	1.7	90.1

TABLE 2

DEBCLME	EBERNEULV	DE	WEATHER	DECHIODENCE	80	MOUR

PRECIPITATION TYPE												WEATHER	PHEND	MENA	
HOUR (GHT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRIN PCPN	HATL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	FDG WD PCPN	FOG WD PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	NO SIG WEA
00603 06609 12615 18621	.1 .0 .1	.1 .3 .0	.1	.0	.0	.0	.0	.3	•1 •1 •1	1.0	2.4 2.8 2.2 3.0	:1 :1 :1	3.9 3.0 5.1 6.1	1.7 1.3 1.4 2.2	90.6 91.1 91.0 88.1
TOT PCT	7972	.1	.1	.0	.0	•0	.0	.3	•1	.6	2.6	•1	4.5	1.7	90.2

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

				ED (KN										(GHT)			
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	FREQ	SPD	00	03	06	09	12	15	18	21
N NE	1.1	14.2	25.9	4.2	:1	.0		45.6	13.6	49.6	57.0	45.8	35.8	41.4	54.6	50.5	43.1
E	.2	1.2	1.2	.3		.0		2.9	12.0	2.3	1.4	2.4	3.9	3.9	. 8	2.7	2.6
SE		.2			.0	.0		.3	8.2	.2	.0	.2	.6	.5	.0	.4	.2
5	.1	.3	.1		.0	.0		.5	8.0	.4	1.4	.3	.3	.5	1.1	.7	.5
214	.2	.6	.1		.0	.0		.9	7.1	.9	1.4	.8	.9	.9	1.4	.8	1.1
	.4	1.2	.3		.0	.0		2.0	6.6	2.2	2.7	1.9	2.0	1.4	.0	2.0	2.9
NW	.7	3.7	1.3		.0	.0		5.7	8.2	6.6	3.4	5.7	5.1	4.5	4.7	6.3	6.4
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.4							1.4	.0	2.0	1.7	1.7	1.0	1,3	1.0	1.0	1.1
TOT DBS	728	4843	8060	1740	41	2	15414		13.4	3023	174	2988	1451	3118	196	3028	1436
TOT PCT	4.7	31.4	52.3	11.3	. 9		N	100.0			100.0	100.0	100.0		100.0	100.0	100.0

....

		WIND		(KNOTS)						HOU	R (GMT	,
WNO DIR	0-6	7-16	17-27	28-40	41+	TOTAL	PCT	MEAN	00	06	12	18
						DAS	FREQ	SPD	03	09	15	21
N NE	3.5	25.1	14.3	.7			45.6	13.6	50.0	42.5	42.2	48.1
NE	3.2	19.8	16.3	1.4			40.7	15.1	35.4	44.3	45.2	37.7
SE SE	.8	1.3	.7	.1	.0		2.9	12.0	2.3	2.9	3.7	2.7
SE	.2	.1			.0		.3	8.2	.2	.3	.4	.4
5	.2	.2			.0		.5	8.0	.5	.3	.6	.7
SW	.5	.4			.0		.9	7.1	1.0		.9	.9
	1.2	.7	.1	.0	.0		2.0	6.6	2.2	1.9	1.3	2.3
NW	2.4	2.9	.4		.0		5.7	8.2	6.4	5.5	4.5	6.3
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	1.4						1.4	.0	2.0	1.5	1.2	1.0
TOT OBS	2374	7781	4911	342	6	15414		13.4	3197	4439	3314	4464
TOT DET						- House			100 0	100 0	100 0	100 0

PERIOD: (PRIMARY) 1923-1973 TABLE 4 AREA 0006 CAPE BLANC 20,3N 18.1M

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GHT)

HOUR CALM 1-3 4-10 11-21 22-33 34-47 48+ MEAN FREQ 085

00603 2.0 3.4 30.7 52.5 11.1 .3 ** 13.4 100.0 3197
06609 1.5 3.0 31.8 51.8 11.7 .2 ** 13.4 100.0 4639
12615 1.2 3.6 29.6 52.7 12.5 .4 .0 13.8 100.0 3314
18621 1.0 3.3 33.0 32.4 10.2 .2 .0 13.1 100.0 4664
TOT 215 513 4845 8060 1740 41 2 13.4 101.0 15414
PCT 1.4 3.3 31.4 52.3 11.3 .3 ** 100.0

TABLE 5

0

TABLE 6

•	CT FRE			CLOUD A		(EIGHTHS)							CEILIN NH <5/					
WNU DIR	0-2	3-4	5-7	8 & 085CD	TOTAL OBS	CLOUD COVER	000	150 299	300 599	600	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL
N NE	42.5	5.8	5.8	2.1		1.5	:0		.1	.4	1.1	1.0	.6	.1	.2	•7	51.8	
-	1.2	.2						.0	• 1	.3	.,		.,	•1	• 1	.3	28.8	
-		• •	•2	93 .		1.8	.0	.0	.0	.0		•1	•1	- 100	.0		1.5	
SE	• 1		.1			2.9	.0	.0	.0	.0		.0		.0		.0	.2	
S	.5	.1	.1			1.9	.0	.0				.0			.0	.0	.6	
SW	.5	.2	.1			2.2	.0	.0	.0		-1				.0		.7	
	.9	.1	.2			1.7		.0	.0	.0					.0	.0	1.1	
NW	4.1	.8	.7	.2		1.7				.1	.2	.1	.2				5.1	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	1.2	.1	.2	.2		1.8		.0	.0			.1	.0		.0	.1	1.4	
TOT OBS	4804	732	709		6490	1.6		.0	20	47	152	133	88	23	24	68	5929	6490
TOT PCT	74.0	4.11.2	10.9	3.8	100.0			-		"					-			
	74.0	11.3	10.4	9.0	100.0		• • •		.3	.7	2.3	2.0	1.4	.4	.4	1.0	91.4	100.0

TABLE 7
CUMULATIVE PCT FREQ OF SIMULTANEOUS UCCURRENCE
OF CEILING HEIGHT (NH >4/8) AND VSBV (NM)

					VSBY (NE	1)			
C	EILING	- OR	· DR	- OR	• DR	- 08	• DR	- DR	- DR
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
	>6500	1.0	1.3	1.4	1.4	1.4	1.4	1.4	1.4
. OR	>5000	1.2	1.6	1.8	1.8	1.8	1.8	1.8	1.8
. OR	>3500	2.2	2.9	3.0	3.1	3.1	3.1	3.1	3.1
- OR	>2000	3.6	4.8	5.1	5.1	5.1	5.1	5.1	5.1
- DR	>1000	5.3	7.0	7.4	7.5	7.5	7.5	7.5	7.5
. OR	>600	5.9	7.7	8.1	8.2	8.2	8.2	8.2	8.2
	>300	6.1	8.0	8.4	8.5	8.5	8.5	8.5	8.5
- OR	>150	6.1	8.0	8.4	8.5	8.5	8.5	8.5	8.5
- OR	> 0	6.1	8.0	8.4	8.5	8.5	8.6	8.6	8.6
	TOTAL	402	527	555	560	563	567	567	567

TOTAL NUMBER OF OBS: 6592 PCT FR

PCT FREQ NH <5/8: 91.4

TABLE 7A
PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 0BSC0 0BS 65.0 10.8 6.7 5.2 3.0 1.9 2.6 2.2 2.5 .1 6801

M	6	•	-

PERIOD: (PRIMARY) 1923-1973 (OVER-ALL) 1855-1973

TAPLE 8

AREA 0006 CAPE BLANC 20.3N 18.1W

		,	PERCENT	PRECI	PITATI	DIREC	H VAR	VS DCC	URRENC ALUES	F VIS	IBILI	CURRENC	E OF
VSBY (NM)		N	NE		SE	5	SW	w	NW	VAR	CALM	PCT	TOTAL
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	NO PCP		.0	.0	.0	.0	.0	.0		.0	.1	.1	
	TOT &		.0	.0	.0	.0	.0	.0		.0	.1	.1	
	PCP	.0	.0	.0	.0	.0	.0			.0	.0		
1/2<1		.6	.3			.0	.0		.1	.0		1.1	
	TOT %	.6	.3	•		.0	.0	.1	.2	.0		1.1	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	NO PCP	.4	.4		.0	.0		.1	.1	.0	.1	1.1	
	TOT %	.4	.4		.0	.0		.1	.1	.0	.1	1.1	
	PCP				.0		.0	.0	.0	.0	.0		
2<5	NO PCP	1.7	1.0	.1		.0		.1	.3	.0	.1	3.4	
	TOT \$	1.7	1.0	:2				:1	.3	.0	.1	3.4	
	PCP				.0	.0		.0		.0	.0	.2	
5<10	NO PCP	12.6	7.6	.5	:	.1	.2	.4	1.3	.0	.3	22.8	
	TOT &	12.6	7.6	:3		.1	.2	::	1.3	.0	.3	23.0	
	PCP			.0	.0	.0	.0		.0	.0	.0		
10+	NO PCP	39.6	23.2	1.1	.1	.6	:7	.8	4.0	.0	1.2	71.3	
	TOT \$	39.6	23.2	1.1	•1	.6	.7	.9	4.0	.0	1.2	71.3	
	TOT 085												7784
	TOT PCT	54.9	32.6	1.6	.2	.7	.9	1.5	5.8	.0	1.6	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARVING VALUES OF VISIBILITY

					ILIM VA	KTING	VALUE	5 UF V	IZIBIL	111			
VSBY (NM)	SPU KTS	N	NE	E	\$E	s	SW		NW	VAR	CALM	PCT	TOTAL
	0-3		.0	.0	.0	.0	.0	.0	.0	.0		.1	
<1/2	4-10	.0	.0			.0	.0	.0		.0		*	
	11-21				.0	.0	.0	.0	.0	.0			
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %					.0	.0	.0		.0	*	.1	
	0-3	.0			.0	.0	.0			.0			
1/2<1	4-10	.1	.1			.0	.0		.1	.0		.3	
	11-21	.2	.1		.0	.0	.0			.0		.3	
	22+	.1		.0	.0	.0	.0	.0	.0	.0		.2	
	TOT %	.4	.2			.0	.0		.1	.0		.8	
	0-3			.0	.0	.0	.0	.0		.0	.1	.1	
1<2	4-10	.2	.1		.0	.0		.1		.0		.5	
	11-21	.2	.2		.0	.0	.0	.0	*	.0		.4	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.3	.3		.0	.0		.1	.1	.0	.1	1.0	
	0-3				.0			.0		.0	.1	.2	
2<5	4-10	.5	.4	.1		.0			.2	.0		1.2	
	11-21	.9	.6	.1	.0					.0		1.5	
	22+	.2	.2	.0	.0	.0			.0	.0		.4	
	TOT %	1.6	1.1	.2				.1	.2	.0	.1	3.4	
	0-3	.2	.1					.1		.0	.3		
5<10	4-10	2.9	1.7	.3	.1	.1	.1	.2	.7	.0		6.0	
	11-21	6.4	4.8	.2				.1	.3	.0		11.8	
	2.2+	1.4	1.7		.0			.0		.0		3.1	
	TOT \$	11.0	8.2	.5	.1	.1	.2	.3	1.1	.0	.3	21.7	
	0-3	.8	.3	:17		.1	.1	:2	.4	.0	1.1	3.1	
10+	4-10	11.0	6.3	.7	.1	.3	.4	.7	2.8	.0		22.2	
	11-21	21.4	16.6	.6		.1	.1	.1	.9	.0		39.8	
	22+	3.4	4.5	.2	.0			.0		.0		8.0	
	TOT \$	36.5	27.7	1.5	.1	.5	.6	1.0	4.1	.0	1.1	73.0	
7	TOT 085												11184
WEAT.	TOT PCT	49.9	37.6	2.2	.2	.6	.8	1.5	5.6	.0	1.6	100.0	

PERIOD: (PRIMARY) 1923-1973

(OVER-ALL) 1855-1973

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NN <5/8 BY HOUR

1000 2000 3500 5000 6500 (GMT) 06609 1.0 12615 1.1 1.9 7.3 92.7 1733 18621 .1 .3 1.8 1.7 1.0 . 3 .5 1.3 TOT 136 1.3 24

0

TABLE 12 TABLE 11 CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8),BY HOUR PERCENT FREQUENCY VSBY (NM) BY HOUR <600 <1000 <1 <5 <1/2 1/2<1 2<5 (GMT) 90.3 00603 75.1 2541 €0300 .3 4.9 06609 90300 .7 4.7 9.2 86.1 .9 7.7 86.2 18621 1.4 3.0 71.6 3140 18821 4.5 1.0 22.8 113

MARCH

PERIOD:	(PRIMARY)	1923-1973
	INVER-ALL)	1866-1972

TABLE 17

AREA 0006 CAPE BLANC 20.3N 18.1W

			**	AIK-			TORE			(DEG F)			
AIR-SEA	49	53	57	61	65	69	73	77	81	TOT	*	WO	
THP DIF	52	56	60	64	68	72	76	80	84		FOG	FOG	
20/22	.0	.0	.0	.0	.0		.0	.0		1	.0		
17/19	.0	.0	.0	.0	.0	.0	.0			3	.0		
14/16	.0	.0	.0	.0	.0	.0	.1			8	.0	.1	
11/13	.0	.0	.0	.0			.1	.1	.1	30		.4	
9/10	.0	.0	.0	.0		.1	. 3	.1		45		.6	
7/8	.0	.0	.0		.1	.7	.7	.2		127	.1	1.7	
6	.0	.0	.0	.1	.3	.8	.5	.1	.0	126	.1	1.6	
5	.0	.0		.1	.9	2.0	1.0	.1	.0	292	.2	3.9	
4	.0	.0	.0	.2	2.1	2.5	.6			392	.2	5.2	
3	.0	.0	.0	.6	3.4	3.1	.5	.0	.0	545	.3	7.3	
5	.0	.0	.0	1.9	6.1	3.8	.4		.0	879	.3	12.0	
1	.0	.0	.1	3.6	8.7		.2		.0	1179	.4	16.1	
0	.0	.0	.1	5.3	9.3	2.8	.1		*	1266	.4	17.3	
-1	.0	.0		4.5	7.6	1.6			.0	988	.3	13.5	
-5	.0	.0	.1	3.3	4.5	.6	.1		.0	616	.2	8.4	
-3	.0	.0		1.5	1,9	.4			.0	278		3.9	
-4	.0	.0	.1	1.2	1.0			.0	.0	179		2.5	
-5	.0	.0	.1	.7	.5	.1		.0	.0	104	.1	1.4	
-6	.0	.0		.2	.1		.0	.0	.0	27		.3	
-7/-8	.0	.0	.1	.3	.1		.0	.0	.0	38		.5	
-9/-10	.0	.0			.1		.0	.0	.0	13		.2	
-11/-13				.1			.0	.0	.0	9		.1	
-14/-16	.0	.0		.0	.0	.0	.0	.0	.0	1	.0		
TOTAL	1		43		3367		337		19		201	6945	
		1		1489		1631		58		7146			
PCT				23.6		22.8	4.7	. 8	.3	100.0	2.8	97.2	

PERIOD: (QVER-ALL) 1963-1973

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT) N 22~33 .0 .0 .8 1.7 1.9 .9 .9 .2 .1 .0 .0 .0 11-21 .3 4.6 11.5 10.5 4.9 1.3 .5 .0 .0 .0 .0 .0 .0 11-21 2.6 6.0 5.8 2.9 .2 * .0 .0 .0 .0 HGT
<1
1-2
3-4
5-6
7
8-9
10-11
12
13-16
17-19
23-25
24-32
33-40
41-48
41-48
41-68
41-70
71-86
87
FDT PCT 4-10 1.9 7.5 3.9 1.3 .0 .0 .0 .0 .0 .0 .0 48+ PCT 2.7 12.7 16.3 13.6 7.5 2.2 1.5 .0 .0 .0 .0 .0 .0 .0 1-3 48+ PCT 1.0 5.9 8.5 7.7 4.6 1.9 .7 .2 .3 .1 .0 .0 .0 .0 .0 11-21 HGT
<1
1-2
3-4
5-6
7
8-9
10-11
12
13-16
17-19
26-32
23-25
26-33
40
41-48
49-60
61-70
71-86
87+
707 PCT 22-33 48+ 1-3 4-10 1-3

PAGE 412

PERIOD:	INVE	P-A111	1963-1	973				,	ARCH				AREA	0006	CARE	AL ANC
			.,,,,	***				TABLE 1	(CONT)				-	20.		18.1W
				PC	T FREO	OF WIND	SPEED	(KTS) AN	D DIREC	TION	VERSUS	SEA HEIG	HTS (FT)		
				S								SW				
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10			34-47	48+	PC	T
<1			.0	.0	.0	.0	.1		. 1	.1			.0	.0		
1-2	.1	.2	.1	.0	.0	.0	.3			.3			.0	.0		
3-4	.0	.1	.1	.0	.0	.0	.2		.0	.1			.0	.0		
5-6	.0	.0		.0	.0	.0			.0	.0			.0	.0		
7	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0		
8-9	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0		
10-11	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0		
12	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0	!	
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0		
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0		
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0		
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0		
26-32 33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0	•	
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0		
49-60		.0	.0	.0	.0	.0	.0		.0	.0			.0	.0	• !	
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0		
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0	:	
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0	:	
TOT PCT	.1	.4	.2	.0	.0	.0	.7		.1	.5			.0	.0		
	•						1783				417					
				w								NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10			34-47	48+	PC.	
<1	.2	.2	.0	.0	.0	.0	.4		.3	.8			.0	.0	1.	
1-2	.1	.3		.0	.0	.0	.4		•2	2.1			.0	.0	2.	
3-4	.0	.1	.1	.0	.0	.0	.2		•1	.6			.0	•0	1.0	
5-6	.0	.0	.0	.0	.0	.0	.0		•0	•1			.0	.0		
8-9	.0	.0	.0	.0	.0	.0	.0		.0	*			.0	.0		
10-11	.0	.0	:	.0	.0	.0			.0	.0			.0	.0		
12	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0	:	
13-16	.0	.0	.0		.0	.0			.0	.0			.0	.0		
17-19	.0	.0	.0	.0	.0	.0	.0		.0	•0			.0	.0		
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0		
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0		
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0		
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0		
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0		
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0		
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0		
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0		
													.0			
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	• 0		.0)

	MIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	4.2	3.9	.4	.0	.0	.0	8.5	up3
1-2	1.2	14.0	7.8	.0	.0	.0	22.9	
3-4	.3	6.7	18.2	1.6	.0	.0	26.8	
5-6		1.8	16.8	3.3		.0	21.9	
7	.0	.6	8.1	3.5	.1	.0	12.3	
8-9	.0	.0	2.3	1.8		.0	4.1	
10-11	.0	.1	.8	1.4	.1	.0	2.3	
12	.0	.0	.1	.3		.0	.4	
13-16	•0			.3	.1	.0	.5	
17-19	•0	.0				.0	.1	
20-22	•0	.0		.0	.0	.0		
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	•0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	•0	.0	.0	.0	.0	.0	.0	
49-60	•0	.0	.0	.0	.0	.0	.0	
61-70	•0	.0	.0	.0	.0	.0	.0	
71-86	•0	.0	.0	.0	.0	.0	.0	
87+	•0	.0	.0	.0	.0	.0	.0	
								4205
TOT PCT	5.7	27.1	54.4	12.4	.4	.0	100.0	

PERIOD: (PRIMARY) 1923-1973 (UVER-ALL) 1855-1973

TABLE 1

AREA 0006 CAPE BLANC 20.3N 18.1W

PERCE	ENT FREQUENCY	DE	WEATHER	OCCURRENCE	RY	WIND	DIRECTION

					-										
			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HATL	PCPN AT	PCPN PAST HOUR	THOR	FOG WU PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	
N NE	.2	-1	:	:0	.0	.0	.0	.3	-1	:3	3.5	.0	7.6	1.9	86.4
E	:7	.0	.0	.0	.0	.0	.0	:7	.0	.0	1.0	.0	3.0	.0	95.3
SE	.0	7.8	.0	.0	.0	.0	.0	7.8	.0	.0	.0	.0	.0	.0	92.2
S	.0	.0	.0	.0	.0	.0	.0		.0	4.0	7.9	.0	3.0	.0	85.1
SW	.9	.0	.0	.0	.0	.0	.0	.9	.0	.0	9.1	.0	1.8	.0	88.2
*	1.0	.0	.0	.0	.0	.0	.0	1.0	.0	1.4	7.5	.0	5.1	.0	85.1
NW	.3	.0	.2	.0	.0	.0	.0	.5	.3	.7	5.0	.0	8.2	.9	84.3
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.6	.0	2.8	1.4	90.1
TOT PCT TUT Das:	7885	.1	.1	.0	.0	.0	.0	.3	.1	.4	3.6		6.7	1.6	87.5

TA01 E

PERCENT	FREQUENCY	DE	WEATHER	CCURRENCE	BY	HOUR

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	NO SIG WEA
00603	.2	.1	.1	.0	.0	•0	.0	.4	.1	.6	3.1	.0	5.5	1.7	88.7
90300	.2	.1		.0	.0	.0	.0	.4	.1	.7	4.0	.0	5.5	1.1	88.2
12615	.1	.0	.0	.0	.0	•0	.0	.1	.0	.0	3.1	.0	7.3	1.4	88.1
18621		•1		.0	.0	•0	.0	.2	•1	.1	4.3		7.9	2.2	85.1
TOT PCT TOT OBS:	8015	•1	•	.0	.0	•0	.0	.3	•1	.4	3.6		6.6	1.6	87.5

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		WI	D SPE	ED (KN	OTS)								HOUR	(GHT)			
WND DIR	0-3	4-10	11-21	22-33	34-47	48+		PCT	MEAN SPD	00	03	06	09	12	15	18	21
N NE	.7	13.5	30.0	6.2	:1	.0		9.7	14.4	55.6 34.6	59.5 31.7	49.9	41.5	45.2	53.0	55.6 34.3	49.5
E	.1	1.0	.8	.2		.0		2.1	13.0	1.6	.5	2.4	2.7	2.5	.2	2.0	1.9
SE		.1		.0	.0	.0		.2	7.8	.2	.0	.1	.2	.2	.0	. 1	.2
S		.1	.1			.0		.3	10.7	.2	.0	.4	.2	.2	.0	.3	. 2
SW	.1	.2	. 1		.0	.0		.5	9.0	.4	.0	.4	.4	.5	.2	.4	.7
	.2	.6	.2			.0		1.1	6.9	1.2	.0	1.1	1.0	1.0	1.6	1.0	1.3
NW	.4	2.7	1.6	.1	.0	.0		4.9	9.7	5.4	7.7	4.9	4.6	3.8	4.4	5.2	5.7
VAR	.0	.0	.0	.0		.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.9							.9	.0	.9	.5	. 8	1.0	1.0	.5	,9	.4
TOT OBS	427	4075	8793	2015	40	0	15350		14.4	2959	182	2991	1456	3120	205	3007	1430
TOT PCT	2.8	26.5	57.3	13.1	.3	.0	100	0.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

ARIF 3A

WND DIR	0-6	7-16	SPEED 17-27	(KNOTS) 28-40	41+	TOTAL	PCT	MEAN SPD	00	HDU1 06 09	12 15	18 21
N NE	4.5	26.4	18.6	1.0	:		50.5	14.4	55.8	47.2 42.8	45.6	53.6
E	.3	1.2	.5	.1	.0		2.1	13.0	1.6	2.5	2.4	2.0
SE	.1	.1		.0	.0		.2	7.8	.1	.1	.2	.2
S	.1	.1			.0		.3	10.7	.2	.3	.2	.3
SW	.2	.2	.1		.0		,5	9.0	.4	.4	.5	.5
W	.6	.4			.0		1.1	6.9	1.1	1.1	1.1	1.1
NW	1.6	2.7	.5		.0		4.9	9.7	5.5	4.8	3.8	5.4
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	.9						.9	.0	.9	.9	1.0	.7
TOT OBS	1617	7611	5736	383	3	15350		14.4	3141	4447	3325	4437
TOT PCT	10.5	49.6	37.4	2.5			100.0		100.0	100.0	100.0	100.0

APRIL

PERIOD: (PRIMARY) 1923-1973 (UVER-ALL) 1855-1973

TABLE 4

AREA 0006 CAPE BLANC 20.3N 18.1W

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

				MIND	SPEFO (KNOTSI			PCT	TOTAL
HOUR	CALM	1-3	4-10	11-21	22-33	34-47	48+	MEAN	FREQ	DRZ
00603	.9	1.8	25.5	58.2	13.4	.2	.0	14.5	100.0	3141
90360	.9	1.8	26.B	56.5	13.6	.4	.0	14.5	100.0	4447
12615	1.0	2.2	25.4	56.8	14.3	.3	.0	14.7	100.0	3325
18621	.7	1.9	27.9	57.9	11.5	.1	.0	14.1	100.0	4437
TOT	133	294	4075	8793	2015	40	0	14.4		15350
PCT	.9	1.9	26.5	57.3	13.1	.3	.0		100.0	

TABLE 6

P	PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTMS) BY WIND DIRECTION MEAN								PERCEN	TAGE F	REQUEN	CY OF	CEILIN	B BY	HTS (FT, NH	>4/8) DN	
WND DIR	0-2	3-4	5-7	8 & 085CD	TOTAL	COVER	000 149	150 299	300 599	600	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N ·	43.6	5.4	6.2	2.7		1.5	.1			.5	1.1	1.3	.7	.3	.2	.6	52.9	
NE	22.6	4.7	4.3	1.6		1.9		.0		.4	1.1	1.1	.5	.2	.1	.1	29.7	
E	1.5	. 2	.1	.1		1.2		.0	*	.0		.1	.0	*			1.7	
SE	.1			.0		2.3	.0	.0	.0	.0	.0	.0	.0		.0	.0	.1	
5 .	.2	.1				1.7	.0	.0	.0	.0	.0		0		.0	.0	. 3	
SW	.1	.1				2.8		.0	.0				.0	.0			. 2	
W	.5	.1	.1	.1		2.2		.0	.0				*	.0	.0	.0	• • • • • • • • • • • • • • • • • • • •	
NW	3.3	.5	.5	. 2		1.7		.0	.0	1	.1	.2	. 1	.0		.0	4.1	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	1.0			.1		.8	.0	.0	.0	.0			.0	.0	.0		1.0	
TOT DBS	4805	739	744	313	6601	1.7	12		. 4	66	162	176	85	33	25	51	5984	4401
TOT PCT	72.8	11.2	11.3	4.7	100.0		.2		1	1 0	2.5	2.7	1 2	33	25	21	9904	6601

TABLE 7

C	UMULATIVE	PCT FREG	OF SIMU	LTANEDL	IS OCCURR	ENCE
	OF CEILIN	G HEIGHT	(NH >4/	8) AND	VSBY (NM)
			VSBY (NM)		
OR	■ DR	- OR	# OR	. DR	. DR	

					VSBY (NM)			
	EILING	- DR	■ DR	- OR	# OR	• DR	* OR	. OR	- DR
	FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
. OF	>6500	.7	1.1	1.1	1.1	1.1	1.1	1.1	1.1
. OF	>5000	1.0	1.5	1.6	1.6	1.6	1.6	1.6	1.6
. DR	>3500	1.9	2.7	2.9	2.9		2.9	2.9	2.9
. DR	>2000	3.7	5.2	5.5	5.6	5.6	5.6	5.6	5.6
	>1000	5.3	7.7	8.0	8.0	8.0	8.1	8.1	8.1
. OR	>600	5.8	8.6	9.0	9.0	9.0	9.1	9.1	9.1
- OR	>300	5.9	8.6	9.1	9.1	9.1	9.1	9.1	9.1
= QH	>150	5.9	8.7	9.1	9.1	9.1	9.2	9.2	9.2
- OR	> 0	5.9	8.8	9.3	9.3	9.3	9.3	9.3	9.3
	TOTAL	392	584	616	618	619	620	620	620

TOTAL NUMBER OF 085: 6651 PCT FREQ NH <5/8: 90.7

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 OBSCD OBS 63.9 11.0 6.8 5.2 3.1 2.3 2.5 2.0 2.9 .1 6877 APRIL

PERIOD:	(PRIMARY)	1923-1973
	COUCO ALLA	

TABLE 8

AREA 0006 CAPE BLANC 20.3N 18.1W

				PRECI	PITATI	ON WIT	H VARY	ING V	ALUES	F VIS	IBILI	CURRENC	
VSBY		N	NE		SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
(1/2	NO PCP		.0	.0	.0	.0	.0		.0	.0	.0		
	TOT %		.0	.0	.0	.0	.0		.0	.0	- 0		
	PCP	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1		.7	.7		.0				. 1	.0		1.6	
	101 %	.7	.7		.0				.1	.0		1.6	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	NO PCP	. 8	.3		.0	.0	.0	.0	.1	.0	.0	1.2	
	TOT %	. 8	.3		.0	.0	.0	.0	.1	.0	.0	1.2	
	PCP	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0		
2<5	NO PCP	2.4	.9						.2	.0	.1	3.7	
	TOT %	2.4	.9					*	.2	.0	•1	3.7	
	PCP	.1		.0		.0				.0	.0	.2	
5<10	NO PCP	17.4	8.7	.3	.1	.1	:1	.3	1.6	.0	.2	28.8	
	TOT %	17.5	8.7	.3	.1	.1	.1	.3	1.6	.0	•2	29.0	
	PCP	.1			.0	.2	.0	:6	2.8	.0	.0	.1	
10+	NO PCP	35.6	23.0	1.4	.1	. 2	. 2	.6	2.8	.0	.6	64.4	
	TOT %	35.7	23.0	1.4	• 1	.2	• 2	.6	2.8	.0	.6	64.5	
	TOT DBS												787
	TOT PCT	57.1	33.6	1.8	.1	.3	.3	.9	4.7	.0	.9	100.0	

TABLE 9

				PERCEN	FREQ	OF WIN	D DIRE	CTION OF V	VS WI	ND SPE	ED		
VSBY (NM)	SPD	N	NE	E	SE	s	SW	W	NW	VAR	CALM	PCT	TOTAL
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	*	.0	.0	.0	•0	.0	*	.0	.0		.1	
	11-21	*	.0	.0	.0	.0	.0	.0	.0	.0		*	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.1	.0	.0	.0	•0	.0	*	.0	.0	.0	.1	
	0-3		.0	.0	.0			.0	*	.0	*		
1/2<1	4-10	.1	*	*	.0	.0		*	*	.0		.2	
	11-21	.4	.4	.0	.0	.0	.0	*	*	.0		.8	
	22+	*	.1	.0	.0	.0	.0	.0	.0	.0		.1	
	TOT %	.5	.5	*	.0			*	.1	.0	*	1.1	
	0-3	*			.0			.0	.0	.0	.0		
1<2	4-10	.1	*	*	.0			.0	*	.0		.2	
	11-21	.4	.2	*	.0	.0	.0	.0		.0		.6	
	22+	.1	.1	.0	.0	.0	.0	.0	.0	.0		.2	
	TOT %	.7	.3	*	.0			.0		.0	.0	1.0	
	0-3	*	*	.0	.0	.0	.0	.0		.0	.1	.2	
2<5	4-10	.6	.3	*	.0		*		.1	.0		1.0	
	11-21	1.2	.5	.0	*	*			.1	.0		1.8	
	22+	.3	.2	*	.0	.0	.0		*	.0		.5	
	TOT %	2.1	.9	*	*	*			.2	.0	. 1	3.5	
	0-3	.2	.1	*	*	*			.1	.0	.2	.7	
5<10	4-10	3.8	1.8	.1	*	*	.1	.2	. 8	.0		6.8	
	11-21	9.6	5.1	. 2		*			.7	.0		15.7	
	22+	2.1	1.5		.0	*				.0		3.7	
	TOT %	15.7	8.5	.4	• 1	• 1	.2	.2	1.6	.0	.2	26.9	
	0-3	.6	.2	*				.2	.3	.0	.6	1.9	
10+	4-10	9.2	5.1	. 8	*	.1	.1	. 3	1.9	.0		17.5	
	11-21	21.2	16.7	.5	*	. 1	.1	.1	. 8	.0		39.4	
	22+	4.1	4.3	.1	.0			.0		.0		8.5	
	TOT %	35.0	26.3	1.4	.1	• 2	.2	.6	3.0	.0	.6	67.4	
	OT OBS	1900			,								11147
T	OT PCT	54.1	36.5	1.8	.1	.3	.4	.9	4.9	.0	1.0	100.0	

APRIL

PERIOD: (PRIMARY) 1923-1973 (OVER-ALL) 1855-1973

TABLE 10

AREA 0006 CAPE BLANC 20.3N 18.1W

PERCENT FREQUENCY OF CEILING HFIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GHT)	000	150 299	300 599	600	1000	2000 3499	3500 4999	5000	6500	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL
00603	.2	.0	.1	.5	1.5	1.8	.0	.4	.2	.3	5.6	94.4	1630
90360	.2	.1	.2	1.7	4.0	3.5	1.6	.5	.4	1.1	13.1	86.9	1616
12615	.3	.1	.0	1.0	2.3	3.1	1.7	.6	.5	.7	10.4	89.6	1847
18621	.1	.0	.0	.7	1.9	1.9	1.2	.3	.3	.9	7.3	92.7	1725
PCT	12	3	.1	66	164	177	87	33	25	51	622	6196	6818

TARIE 11

TARIE 1

				MOLE A	•						INDLE	12		
		PERCENT	FREQUENC	Y VSBY	(NM)	BY HOUR		CUMULAT	TVE PCT	FREQ IG HGT	OF RAN	GES OF NH >4/8	VSBY (NM)	AND/OR
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL
00803		1.1	.7	3.3	25.3	69.5	2459	00603	.1	.2	4.4	5.0	90.6	1574
90300	•1	1.3	.8	3.2	26.8	67.8	3059	90360	•2	.5	6.1	10.4	83.5	1568
12615		.8	.9	3.8	27.1	67.4	2661	12615	.3	.4	5.3	8.9	85.8	1813
18821	•1	1.5	1.5	3.9	27.9	65.0	3097	18821	•1	.2	5.4	6.4	88.3	1696
TOT PCT	.1	134	112	404	3028	7591 67.3	11276	TOT	11	22	352 5.3	511 7.7	5788 87.0	6651

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F 0-29 30-39 40-49 50-59 60-69 70-79 80-89 90-100 0BS FREQ

80/84 .0 .0 .0 * * * * .0 .0 5 .1
75/79 .0 .0 * * .2 .4 .4 .2 * 82 .13
70/74 .0 .0 .0 .4 3.2 6.1 2.4 .8 811 13.0
65/69 .0 .0 .0 .4 4.7 17.4 22.9 8.8 3397 54.3
60/64 .0 .0 * 0 .8 6.6 14.3 9.6 1961 31.5
55/59 .0 .0 .0 .0 .0 .0 .0 * 4 4.7
1074L 0 0 3 71 571 1918 2491 1206 6260 100.0
PCT .0 .0 * 1.1 9.1 30.6 39.8 19.3

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

NE E SE S SW W NW VAR CALM

* * * .0 .0 .0 .0 .0 .0 .0 .0 .0

5.0 .1 * .1 .1 .2 .6 .0 .1

18.9 .4 .1 .1 .2 .6 .2.7 .0 .3

9.9 1.2 * * * .1 1.0 .0 *

* .0 .0 .0 .0 .0 .0 .0 .0

TABLE 15

HOUR MAX 99% 95% 50% 5% 1% MIN MEAN TOTAL OBS 06609 85 73 70 65 61 60 54 65.4 3152 18621 86 78 74 68 63 62 54 68.4 3262 18621 86 78 74 68 63 62 54 68.4 3262 18621 86 77 73 66 62 61 54 66.8 15191

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR 0-29 30-59 60-69 70-79 80-89 90-100 MEAN TOTAL (GMT)
00603 .0 .4 3.1 21.6 47.3 27.6 84 1523
00609 .0 1.0 4.5 22.7 44.4 27.3 84 1562
12615 .0 2.3 16.9 40.3 30.8 9.8 77 1626
18621 .0 1.2 11.5 36.9 37.3 13.1 79 1628
1017 0 78 580 1939 2522 1220 81 6339

PERIOD:	(PRIMARY)	1923-1973			
	(OVER-ALL)	1855-1972			

		1	

AREA 0006 CAPE BLANC 20.3N 18.1W

PCT FREQ OF	AIR	TEM	PERAT	AIR-	DEG FO	MPERA	THE D	DIFFE	ENCE DI	F FOG (WI	THOUT	PRECIPITATION)
AIR-SEA	53	57	61	45	69	73	77	81	85	TOT		WD
THP DIF	56	60	64	68	72	76	80	84	88		FOG	FOG
17/19	.0	.0	.0	.0		.0			.0	5	.0	.1
14/16	.0	.0	.0	.0	.0		.1	.1		19	.0	.3
11/13	.0	.0	.0	.0		.3	.2		.0	37		.5
9/10	.0	.0		.1	.3	.5	. 1		.0	75	.1	1.0
7/8	.0	.0		.2	1.0	.6	.1	.0	.0	137	.2	1.7
6	.0	.0	.0	.4	.6	.4	.1	.0	.0	106	.1	1.4
5	.0	.0	.2	1.2	1.7	.5			.0	256	.2	3.4
4	.0	.0	.5	2.5	2.1	.6			.0	405	.2	5.5
3	.0		1.1	4.1	2.7	.4	.0	.0	.0	591	.3	8.0
2	.0		3.7	6.1	2.5	.3		.0	.0	905	.5	12.2
1	.0		4.9	8.2	2.3	.1		.0	.0	1112	.5	15.1
0	.0	.1	6.8	9.0	2.1	.1		.0	.0	1300	. 8	17.4
-1	.0	.1	5.1	6.6	1.4	.1		.0	.0	957	.6	12.8
-2	.0	.1	3.1	4.1	.5		.0	.0	.0	561	.2	7.7
-3	.0	.1	1.8	2.2	.1			.0	.0	306		4.3
-4	.0	.1	1.2	.9	.2		.0	.0	.0	167	.1	2.3
-5	.0		.7	.6	.1	.0	.0	.0	.0	96		1.3
-6	.0		.3	.2		.0	.0	.0	.0	41		.6
-7/-8	*	.1	.3	.1	.0	.0	.0	.0	.0	44	.1	.5
-9/-10		.1	.1		.0	.0	.0	.0	.0	14		.2
-11/-13	.1		.1	.0	.0	.0	.0	.0	.0	12	.0	.2
-14/-16	.0	.0	.0		.0	.0	.0	.0	.0	1	.0	
TOTAL	9		2140		1263		59		1		277	6870
		63		3321		273		18		7147		
PCT	.1	.9	29.9	46.5	17.7	3.8	. 8	.3		100.0	3.9	96.1

PERIOD: (OVER-ALL) 1963-1973

TABLE 18

								TAI	BLE 18						
				Po	T FREQ OF	WIND	SPEED	(KTS)	AND DIREC	TION V	ERSUS S	EA HEIG	HTS (FT)		
				N								NE			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.4	1.7	.2	.0	.0	.0	2.3		.1	.5		.0	.0	.0	.6
1-2	.2	6.0	4.2	.0	.0	.0	10.4			2.8	2.5	.0	.0	.0	5.3
3-4	*	3.8	14.1	1.6	.0	.0	19.5			1.5	7.2	.9	.0	.0	9.6
7	.0	.5	11.0	1.9		.0	13.5		.0	.4	5.6	1.4	*	.0	7.4
8-9	.0	.3	5.7	2.5	.0	.0	8.5		.0		3.5	1.6	.0	.0	5.2
10-11	.0	•1	1.7	.8		.0	3.7		.0	*	1.0	.9	•0	.0	1.9
12	.0		:1	.2	.0	.0	1.5		.0	.0	.3	.8		.0	1.0
13-16	.0	.0	:1	.1	.0	.0	.3		.0	*		•2	•0	.0	.3
17-19	.0	.0			:	.0	.2		.0	.0	•1	.1		•0	.5
20-22	.0	.0	.0	.0	.0	.0	.1		.0	.0	.0	.1	.0	.0	.1
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
TOT PCT	.6	12.4	37.8	9.0	.1	.0	60.0		.1	5.3	20.3	6.0		.0	31.7
											20.5				
				E								22-33			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21		34-47	48+	PCT
<1	.0	.0		.0	.0	.0			.0	.0	.0	.0	.0	.0	.0
1-2	.0	.1		.0	.0	.0	.1		.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.1	.0	.0	.0	.1		•0	.0		.0	.0	.0	
5-6	.0	.0	•1	.1	.0	.0	.2		.0	.0	.0	.0	.0	.0	.0
8-9	.0	1.4		:	.0	.0	1.4		.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0		.0	.0			.0	.0	.0	.0	.0	.0	.0
	.0	.0		.0	•0	.0	.0		.0	.0	.0	.0	.0	.0	.0
12	.0	•0	.0	•0	.0	.0	.0		.0	•0	.0	.0	.0	.0	•0
17-19	.0	.0	.0	.0	.0	.0	.0		.0	•0	.0	.0	.0	.0	.0
20-22	.0	.0		.0	.0	.0			.0	•0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0		.0	•0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0		.0	•0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0		.0
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	1.5	.3	.1		.0	2.0		.0	.0		.0	.0	.0	
							2.0		• 0	••	_		• •	• •	

PERIOD:			1043	0=3		APRIL							4054	0006	CAPE BI	***	
LEKTOD:	COAF	K-ALL!	1963-1	1973	TABLE 18 (CONT)								AREA	20.		B.1W	
				PC	T FREO D	F WIND	SPEED	(KTS)	AND	DIREC	TION	VERSUS	SEA HEIG	HTS (FT			
				5									SW				
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT			1-3	4-10			34-47	48+	PCT	
<1	.0	:	.0	.0	.0	.0				.0				.0	.0		
1-2	.0	:	:	.0	.0	.0	.1			.0				.0	.0	•1	
5-6	.0	.0	.1	.0	.0	.0	.1			.0				.0	.0	.1	
7	.0	.0	.0	.0	.0	.0	.1			.0	.0			.0	.0	.0	
8-9	.0	.0			.0	.0	.0			.0	.0			.0	.0		
10-11	.0	.0	.0	.0	.0	.0				.0	.0			.0	.0	.0	
12		.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
33-40	.0	.0	.0	.0	.0		.0			.0	.0			.0	.0	.0	
41-48					.0	.0	.0				.0			.0		.0	
49-60	.0	.0	.0	.0	.0	.0				.0	.0			.0	.0	.0	
61-70						.0	.0				.0			.0		.0	
71-86	.0	.0	.0	.0	.0	.0	.0			.0				.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
	.0		.0			.0	.0				.1			.0		.2	
TOT PCT	.0	•1	•2		.0	.0	.3				•••				.0	• • •	
													NW				TOT
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT			1-3	4-10	11-21		34-47	48+	PCT	TOT
<1	.1	.1	.0	.0	.0	.0	.1			.1	.2	(0.0	.0	.0	.3	
1-2	.1	.1	.1	.0	.0	.0	.2			.1	1.2		.0	.0	.0	1.7	
3-4	.0		.1	.0	.0	.0	.1			.0	.5			.0	.0	1.2	
5-6	.0		.0	.0	.0	.0				.0		!		.0	.0	.5	
7	.0	.0	.0	.0	.0	.0	.0			.0				.0	.0	.1	
8-9	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0		
10-11	.0	.0	.0	.0	.0	.0	.0			.0	.0	!	0	.0	.0	.1	
12	.0	.0	.0	.0	.0	.0	.0			.0	•0	(.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0		
17-19	.0	.0	.0	.0	.0	.0	.0			.0	•0	(.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0			.0	.0		0.	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
TOT PCT	.1	.2	.1	.0	.0	.0	.5			.2	1.9	1.0		.0	.0	4.0	98

	MIND	SPEED	(KT5)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	2.1	2.4	.3	.0	.0	.0	4.8	
1-2	.4	10.3	7.3	.0	.0	.0	18.0	
3-4		5.8	22.3	2.4	.0	.0	30.6	
5-6	•0	1.0	17.3	3.5		.0	21.7	
7	•0	1.7	9.4	4.2	.0	.0	15.3	
8-9	•0	.1	2.7	2.9		.0	5.7	
10-11	.0		1.0	1.5		.0	2.7	
12	•0		.1	.4	.0	.0	.6	
13-16	•0	.0	.3	.2	*	.0	.5	
17-19	•0	.0		.1		.0	.2	
20-22	•0	.0	.0	.0	.0	.0	.0	
23-25	•0	.0	.0	.0	.0	.0	.0	
26-32	•0	.0	.0	.0	.0	.0	.0	
33-40	•0	.0	.0	.0	.0	.0	.0	
41-48	•0	.0	.0	.0	.0	.0	.0	
49-60	•0	.0	.0	.0	.0	.0	.0	
61-70	•0	.0	.0	.0	.0	.0	.0	
71-86	•0	.0	.0	.0	.0	.0	.0	
87+	•0	.0	.0	.0	.0	.0	.0	
								4204
TOT PCT	2.5	21.4	60.7	15.2	.1	.0	100.0	

TABLE 1

AREA 0006 CAPE BLANC 20.3N 18.1W

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
WHO DIR	RAIN	RAIN	DRZL	FRZG	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	FDG WO PCPN	FOG WO PCPN PAST HR	SMOKE		NO SIG WEA
N NE		-1	.0	.0	:0	.0		:1	-1	:8	5.0	.0	8.9	1:6	83.5
NE	•	.1	.1	.0		.0	.0		1 1 1 1 1 1						
E	.0	.0	.0	.0	.0		.0	.0	.0	3.5	1.4	.0	6.3		88.8
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	14.8	.0	29.6		55.6
2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.7	.0	3.6	.0	93.8
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.8	.0	8.4	3.5	78.3
	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	11.3	.0	13.3	1.0	73.7
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	. 8	7.9	.2	10.9	1.4	78.9
VAR			.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0
	.0	.0			.0		.0	.0	.0	2.9	11.4	.0	5.7	.0	80.0
CALM	.0	.0	.0	.0	.0	•0	.0	.0	.0	,				••	
TOT PCT	7025	.1		.0	.0	.0		.2	.1	.8	4.9	•	8.0	1.4	84.7

TABLE ?

DEDCENY	CRECHENCY	DE	WEATHER	OCCURRENCE.	AY HOUR

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HATL	PCPN AT	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	ND SIG WEA
00603 06609 12615 18621	.0	•1 •1 •0 •2	.0	.0	.0	•0	.1 .0 .0	.3	.0	1.8 1.3 .0	4.2 5.2 4.5 5.8	.0 .0	6.7 5.7 8.7 10.8	1.2	85.7 86.3 85.5 81.1
TOT PCT	7901	.1		.0	.0	•0		.2	.1	.8	5.0	•	8.0	1.4	84.6

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		WI	ND SPE	ED (KN	DTS)								HOUR	(GMT)			
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	FREQ	SPD	00	03	06	09	12	15	18	21
N NE	.5	11.2	35.1	7.5		.0		54.4	15.3	57.9	63.4	55.0	45.7	52.1	67.4	57.0 34.0	52.0
E	.1	.4	.7	.2	.0	.0		1.4	13.3	1.1	.6	1.1	2.2	1.7	.0	1.1	1.4
SE	.0	.1		.0		.0		.1	10.7	.1	.0	.1	.1	.1	0	.1	
S	.2	.1	.1		.0	.0		.4	8.0	.3	.0	.6	.2	.7	.0	.5	.0
SW	.1	.2				.0		.3	8.1	.4	.6	.4	.2	.3	.0	.4	
W	.1	.5	.1		.0	.0		.8	7.7	1.0	.0	.7	.5	.6	.4	.9	. 8
NW	.2	2.5	2.3	.2		.0		5.3	11.1	6.1	5.7	5.4	4.0	4.2	5.5	5.8	6.1
VAR	.0	.0	.0	.0		.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.4							.4	.0	.6	1.9	.4	.3	.4	.0	.3	.7
TOT DBS	279	3324	9503	2046	33	0	15185		15.0	2884	159	2940	1489	3059	205	3004	1445
TOT PCT	1.8	21.9	62.6	13.5	.2	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

WND DIR	0-6	7-16	SPEED 17-27	(KNOTS) 28-40	41+	TOTAL OBS	PCT	MEAN SPD	00	HDUR 06 09	12 15	18 21
N NE	3.0	27.4	22.8	1.2	.0		54.4	15.3	58.2	51.9	53.1	55.4 35.6
	.3	.6	.4		.0		1.4	13.3	1.1	1.5	1.6	1.2
SE		.1		.0	.0		.1	10.7	.1	.1	.1	.1
S	.2	.1			.0		.4	8.0	.3	.5	.6	.3
SW	.2	.1			.0		.3	8.1	.4	.3	.3	.3
	.4	.3			.0		.8	7.7	.9	.6	.6	.9
NW	1.1	3.3	.9		.0		5.3	11.1	6.1	4.9	4.2	5.9
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	.4						.4	.0	.7	.4	.4	.4
TOT OBS	1074	7559	6202	349	1	15185		15.0	3043	4429	3264	4449
-OT OCT				2 .		-	100 0		100.0	100.0	100 0	100.0

	í	

PERIOD:	(PRIMARY)	1922-1973
	(DVER-ALL)	1854-1972

AREA 0006 CAPE BLANC 20.3N 18.1W

PERCENTAGE	FREQUENCY	OF	WIND	SPEED	BY	HOUR	(GMT)

HOUR	CALM	1-3	4-10	11-51 MIND	SPEED (34-47	48+	MEAN	PCT	TOTAL
00803	.7	1.2	23.7	61.2	12.9	.3	.0	14.0	100.0	3043
90300	.4	1.5	22.2	61.5	14.1	.2	.0	14.9	100.0	4429
12615	.4	1.5	20.1	62.8	15.1	.2	.0	15.3	100.0	3264
18621	.4	1.3	21.6	64.4	12.1	.2	.0	14.8	100.0	4449
TOT	68	211	3324	9503	2046	33	0	15.0		15185
PCT	.4	1.4	21.9	62.6	13.5	.2	-0		100.0	2000000

												1.5						
P	CT FRE	Q OF T	DTAL Y	LOUD A	TION	(EIGHTHS)		1					CEILIN					
WND DIR	0-2	3-4	5-7	8 & 085CD	TOTAL OBS	CLOUD COVER	000 149	150	300 599	600 999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	
N_	41.8	7.8	9.6			2.2	.2		.2	1.0	2.5	2.0	.9	.3	.2	1.3	55.2	
NE	15.8	4.4	4.8	1.8		2.5	.0	*	*	.3	1.5	1.4	.6	.1	•1	.4	22.3	
E	.5	.1	.1			2.0	.0	.0	.0				.0		.0	.0	.7	
SE						4.3		.0	.0	.0	.0	.0		.0	.0	.0	.1	
S	.7					.9	.0		.0	.0		.0		.0	.0	.0	. 7	
SW	.3	.1	.1	.1		2.5	.0		.0				.0		.0		.4	
	.4	.1	.1	.2		3.3	.0	.0			.1			.0		.0	.6	
NW	3.3	.7	1.2			2.7	.1	.0	.0	.2	.4	.3	.1			.2	4.6	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.3			.1		2.1	.0	.0	.0		.0		.0	.0	.0		. 4	
TOT DBS	3941	825	994	476	6236	2.3	18	.4	21	100	286	234	106	29	24	122	5292	6236
TOT PCT	63.2	13.2	15.9	7.6	100-0			1	- 2	1.6	4 4	2.8	1.7	- 5	- 4	2.0	84 9	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NH)

				VSBY (NI	M)			
CEIL	ING . DE	· OR	- OR	- OR	= nR	- OR	- OR	= DR
(FEE			>2	>1	>1/2	>1/4	>50YD	>0
. OR >6	500 1.2	2 2.2	2.3	2.4	2.4	2.4	2.4	2.4
= DR >5	000 1.6		2.8	2.8	2.8	2.8	2.8	2.8
= DR >3	500 2.8	4.3	4.5	4.5	4.6	4.6	4.6	4.6
= OR >2			8.2	8.3	8,3	8.3	8.3	8.3
. OR >1			12.7	12.8	12.8	12.9	12.9	12.9
. DR >6			14.3	14.4	14.4	14.5	14.5	14.5
. DR >3			14.6	14.7	14.7	14.8	14.8	14.8
- OR >1			14.7	14.8	14.8	14.8	14.9	14.9
. OR >			14.8	14.9	14.9	15.0	15.2	15.2
	TAL 544		927	931	934	937	948	948

TOTAL NUMBER OF OBS: 6253 PCT FREQ NH <5/8: 84.8

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS) 4 5 6 7 8 OBSCD OBS 0 1 2 3 53.6 11.8 7.9 6.3 4.3 3.0 3.5 3.7 5.7 .2 6509

MAY

PERIOD: (PRIMARY) 1922-1973 (OVER-ALL) 1854-1973

TABLE 8

AREA 0006 CAPE BLANC 20.3N 18.1W

		P	ERCENT	PRECI	PITATI	DIREC	TION H VAR	A DCC	LUES	F VIS	IBILI	URRENC	E OF
VSBY		N	NE	F	SF	5	SW		NW	VAR	CALM	PCT	TOTAL
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	NO PCP	.2		.0	.0		.0	.0	.1	.0		.4	
	TOT &	.2		.0	.0		.0	.0	.1	.0		.4	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<		1.1	.4					.0	.1	.0	*	1.7	
	TOT &	1.1	.4			•		.0	-1	.0		1.7	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	NO PCP	. 8	.5	.0	.0	.0	.0		.1	.0	.0	1.4	
	TOT %	.8	.5	.0	.0	.0	.0		.1	.0	.0	1.4	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	NO PCP	3.0	.8	.1	.0		:1	.1	.5	.0	.1	4.6	
	TOT &	3.0	.8	:1	.0		.1	:1	.5	.0	.1	4.6	
	PCP	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	
5<10	NO PCP	22.5	8.1	.2		.2	.1	.4	2.2	.0	.1	33.8	
	TOT %	22.6	8.1	.2		.2	.1	.4	2.2	.0	.1	34.0	
	PCP		.0	.0	.0	.0	.0	:4	.0	.0	.0		
10+	NO PCP	35.0	17.9	.6		.5	.3	.4	2.9	.0	.3	57.9	
	TOT %	35.1	17.9	:6		.5	.3	.4	2.9	.0	.3	57.9	
	TOT OBS												7806
	TOT PCT	62.8	27.7	.9	.1	.7	.5	1.0	5.9	.0	.4	100.0	

TABLE 9

VSBY	SPG	N	NE	E	SE	s	SW		NW	VAR	CALM	PCT	TOTAL
(NM)	KTS				36								OBS
	0-3		.0	.0	.0	*		.0		.0		.1	
<1/2	4-10	.1		.0	.0	.0	.0			.0		.1	
	11-21	.1		.0	.0	.0	.0	.0		.0	0	.1	
	22+	.0		.0	.0	.0	.0	.0	.0	.0			
	TOT *	.1		.0	.0				.1	.0		.3	
	0-3		.0	.0	.0	.0	.0	.0		.0			
1/2<1	4-10	.1	.1	*	*					.0		.2	
	11-21	.5	.2		.0	.0	.0	.0		.0		.8	
	22+	.1		.0	.0	.0	.0	.0	.0	.0		.2	
	TOT %	.8	.3		*				.1	.0		1.2	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	4-10	.1		.0	.0	*				.0		.2	
	11-21	.5	.3	.0	.0	.0	.0	.0		.0		.8	
	22+	.1		.0	.0	.0	.0	.0	.0	.0		.1	
	TOT %	.6	.4	.0	•0				.1	.0	.0	1.1	
	0-3			.0	.0	.0	.0			.0		.1	
2<5	4-10	.5	.2	*		.0		.1	.2	.0		1.1	
	11-21	1.8	.6						.2	.0		2.7	
	22+	.3	,1		.0	.0	.0	.0		.0		.4	
	TOT %	2.7	.9	.1	*			.1	.5	.0		4.3	
	0-3	.2		.0	.0					.0	.1	.4	
5<10	4-10	3.1	1.5	.1	*	.1	.1	.2	.9	.0		5.9	
	11-21	13.4	5.7	.1	*	*	:	.1	1.0	.0		20.2	
	22+	3.3	1.7		.0			•	.1	.0		5.1	
	TOT %	19.9	8.8	.3		.1	.1	.3	1.9	.0	.1	31.6	
	0-3	.2	.2	.1	.0	.2	.1		.1	.0	.2	1.3	
10+	4-10	7.5	4.0	.2		.1	.1	.3	1.5	.0		13.7	
	11-21	22.0	15.2	.3		.1		.1	1.2	.0		38.9	
	22+	4.2	3.3	.1	.0	.4	.2	.4	- 1	.0		7.6	
	TOT \$	33.9	22.6	.8		.4	•2		2.9	.0	.2	61.4	
	TOT 085	12.											11013
THE REAL PROPERTY.	TOT PCT	58.0	33.1	1.1	-1	.5	.4	.9	5.5	.0	.4	100.0	

MAY

PERIOD:	(PRIMARY)	1922-1973
	(DVER-ALL)	1854-1973

TABLE 10

AREA 0006 CAPE BLANC 20.3N 18.1W

PERCENT	FREQUENCY	OF	CEILING	HEIGHTS	(FEET, NH	>4/81	AND
			CE DE NI				-

HOUR (GMT)	000	150 299	300 599	999	1000	2000 3499	3500 4999	5000 6499	9500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL	
00603	.3	.0	.2	.8	2.6	2.6	1.0	.3	.3	1.5	9.6	90.4	1460	
06609	.4	.1	.8	3.2	7.7	6.0	2.8	.6	.5	1.9	23.9	76.1	1563	
12615	.3	.1	.2	1.3	4.0	4.1	1.6	.4	.4	2.0	14.6	85.4	1711	
18621	.2	.0	.1	1.0	3.7	2.0	1.2	.5	.3	2.4	11.4	88.6	1681	
TOT	18	.1	21	101	289	236	107	29	24	125	954	5461	6415	

TABLE 11

TABLE 12

		PERCENT	FREQUEN	CY VSB	Y (NM)	BY HOUR		CUMULAT					VSBY (NM)	
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL UBS	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL
00603	.4	.9	.7	3.6	29.8	64.7	2346	00603	.4	.8	5.4	7.8	86.8	1419
90300	.4	1.3	.9	3.7	32.6	61.1	3023	90360	.5	1.6	8.2	18.8	72.9	1529
12615	.3	1.0	1.2	5.0	30.5	62.0	2607	12615	.3	7	6.7	11.9	81.4	1662
18621	-1	1.6	1.6	4.9	33.2	58.6	3118	18621	.2	.5	6.7	9.4	83.9	1643
TOT	34	134	125	480	3514	6807	11094	TOT	21	56	423	751	5079	6253

TABLE 13

PERCENT FREQUENCY OF

TEMP F

PERC	ENT FRI	EQUENC	Y OF R	ELATIV	E HUMI	DITY B	Y TEMP		
								TOTAL	PCT
0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	OBS	FREQ
.0	.0	.0	.0	.1	.1		.0	20	.3
.0			.1	.4	.9	.3		118	1.9
.0	.0		.2	2.2	8.1	5.8	2.4	1182	18.7
.0	.0	.0		1.1	13.8	33.0	14.5	3949	62.4
.0	.0	.0	.0	.1	1.4	8.1	7.1	1055	16.7
0	1	3	26	254	1537	2982	1521	6324	100.0
.0			.4	4.0	24.3	47.2	24.1		

TABLE 14

	PERCENT	FRE	QUENCY	OF WI	ND DIR	ECTIO	N BY T	EMP	
N	NE	E	SE	s	SW	W	NW	VAR	CALM
.1	.2	.1		.0	.0	.0	.0 .1 1.5 3.8	.0	.0
.9	.8	.1	*	*			.1	.0	
9.8	6.1	.4		.3	.3	.2	1.5	.0	
0.1	16.9	.3		.2	.2	.5	3.8	.0	.2
1.9	.2 .8 6.1 16.9 4.1	*	.0				.5	.0	
2.8	28.1	.9	.1	.7	.5	.8	5.9	.0	.3

TABLE 15

	MEANS,	EXTREME	S AND	PERCEN	TILES	OF TE	AP (DE	G F) 8	Y HOUR
HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL
00803	83	73	70	66	63	61	54	66.3	3034
90300	83	73	71	66	63	61	53	66.4	4382
12615	86	80	75	69	64	63	55	69.3	3184
18621	86	78	75	68	64	63	57	68.7	4359
TOT	84	77	72	47	42	62		47.7	14050

		-	account of the same	Sex Complete	Comment of the	Control of the Contro		
HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
60300	.0	.3	1.4	12.2	48.7	37.4	86	1448
90300	.0	.2	1.5	15.4	48.4	34.5	86	1623
12615	.0	.9	8.5	37.5	42.5	10.6	80	1628
18621	.0	.5	4.4	30.4	49.2	15.6	82	1664
TOT	0	30	256	1543	3000	1534	83	6363

PERIOD:	(PRIMARY)	1922-1973
	LOVED ALL	1864 1070

TABLE 17

AREA 0006 CAPE BLANC 20.3N 18.1M

PCT FREQ OF	AIR	TEM			DEG FO					F FDC (WI	THOUT	PRECIP	(MOLTATION)
AIR-SEA THP DIF	53	57	61	65	69	73 76	77 80	81	85	TOT	FDG	WO	
IMP DIE	20	00	64	90	12	10	80	04	0.0		FUG	FOG	
17/19	.0	.0	.0	.0	.0	.0	.0			4	.0	.1	
14/16	.0	.0	.0		.0		.1	.1	.0	12	.0	.2	
11/13	.0	.0	.0			.2	.2	.2	.0	48	.1	.6	
9/10	.0	.0	.0		.2	.4	.2	.1	.0	63		.9	
7/8	.0	.0	.1	.3	1.2	.8	.2	.0	.0	173	.1	2.3	
6	.0	.0	.1	. 3	.9	.4	.1	.0	.0	128	.1	1.7	
5	.0	.0	.2	1.5	1.8	.7	.1			303	.2	4.1	
4	.0	.0	.3	3.0	2.8	.8			.0	484	.5	6.4	
3	.0	.0	.6	5.2	3.1	.5		.0	.0	672	.5	9.0	
2	.0	.0	1.9	7.6	3.2	.6		.0	.0	934	. 8	12.4	
1		.0	3.4	8.8	3.5	.3			.0	1138	.7	15.5	
0	.0	.0	3.8	9.6	3.5	.3			.0	1207	.7	16.4	
-1	.0		2.6	6.6	2.6	.2	.0	.0	.0	848	.7	11.3	
-2	.0		1.5	4.3	. 8			.0	.0	468	.3	6.4	
-3	.0	.0	.7	2.2	.5			.0	.0	240	.1	3.3	
-4	.0		.6	1.0	.2			.0	.0	138	.2	1.8	
-5			.3	.7	.1	.0	.0	.0	.0	78		1.1	
-6			.1	.2	.1		.0	.0	.0	29		.4	
-7/-8	.1	.0	.2	.2	.1	.0	.0	.0	.0	39		.5	
-9/-10		.0	.1			.0	.0	.0	.0	11		.1	
-11/-13				.1	*	.0	.0	.0	.0	13		.2	
-14/-16	.0	.0		.0	.0	.0	.0	.0	.0	3	.0		
TOTAL	10		1169		1739		63		2		370	6663	
		9		3630		378	1000	33		7033			
PCT	.1	.1	16.6	51.6	24.7	5.4	.9	.5		100.0	5.3	94.7	

PERIOD: (OVER-ALL) 1963-1973

T. ...

				PC	T FRED	OF WIND	SPEED	(KTS) AND DIR	ECTION	ERSUS S	EA HEIG	HTS (FT)	
				N							NE			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3		11-21	22-33	34-47	48+	PCT
<1	.1	1.1	1	.0	.0	.0	1.3			.1	.0	.0	.0	.4
1-2	.3	5.2	15.4	.0	.0	.0	10.8	.1		2.6	.0	.0	.0	4.9
5-6	*	3.6	13.0	2.5	.0		20.2			5.1	.4	.0	.0	6.9
7	.0	.6	7.2	2.5	.0	.0	9.9	.0		4.2	1.1	.0	.0	5.6
8-9	.0	.1	2.3	2.2	.1	.0	4.7	.0		.7	.9	.0	.0	3.6
10-11	.0	.0	.4	1.0	.0	.0	1.4	.0		.3	.6	.0	.0	.8
12	.0	.0	.1	.3	.0	.0	.4	.0		.1	.4	.0	.0	.5
13-16	.0	.0		.2		.0	.2	.0			.1		.0	.2
17-19	.0	.0	.1		.0	.0	.1	.0		.0		.0	.0	
20-22	.0	.0	.0		.0	.0		.0			.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	0	.0	.0		.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0
TOT PCT	.4	10.8	43.8	9.9	•1	.0	65.1	•2	4.2	15.6	4.7	•1	•0	24.7
				E							22-33			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3		11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	*
1-2	.0	.1	.0	.0	.0	.0	.1	.0		.0	.0	.0	.0	.0
3-4	.0	.1	.1	.0	.0	.0	.2	.0		.0	.0	.0	.0	
5-6	.0		.2		.0	.0	.2	.0			.0	.0	.0	
8-9	.0	.0	.0	:	.0	.0		.0		.0	.0	.0	•0	.0
	.0	.0	.0		.0	.0		.0		.0	.0	.0	•0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0		:0	:0	.0	:0	.0	.0	.0	:0
71-86	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	.0
TOT PCT	.0	.2	.3	.1	.0		.5	.0			.0	.0	.0	.1

PERIOD:	OVE	R-ALL)	1963-1	973					MA	٧				AREA	0006	CAPE BI	ANC
								TABLE	18 (CONT					20.		.1W
				PC	T FREQ	OF WIND	SPEED	(KTS)	AND	DIREC	TION	VERSUS	SEA HEIG	HTS (FT)		
HGT	1-3	4-10	11-21	5 22-33	34-47	48+	PCT			1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1		.1	.0	.0	.0	.0	.1			1-3						PLI	
1-2	.6	.:		.0	.0	.0	:7			.1	.0			.0	.0	.3	
3-4	.0	.0	.1	.0	.0	.0	.1			.0				.0	.0	.1	
5-6	.0	.1	.1	.0	.0	.0	.2			.0	.1			.0	.0	.1	
7	.0	.0			.0	.0	.1			.0	.0			.0	.0		
8-9	.0	.0	.0	.0	.0	.0	.0			.0				.0	.0		
10-11	.0	.0		.0	.0	.0				.0	.0			.0	.0		
12	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0			.0				.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0			.0	• 0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
TOT PCT	.6	.3	.2		.0	.0	1.1			• 2	• 3	.1		.0	•0	.6	
													NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT			1-3	4-10	11-21		34-47	48+	PCT	TOTAL
<1	.1	.2	.0	.0	.0	.0	.3			.3	.5		.0	.0	.0	.8	
1-2	.0	.3	.1	.0	.0	.0	.4			· ì	1.4	6		.0	.0	2.1	
3-4	.0				.0	.0	.1			.0	.9		*	.0	.0	1.9	
5-6	.0			.0	.0	.0	.1			.0	.1			.0	.0	.9	
7	.0	.0	.0	.0	.0	.0	.0			.0	• 0			.0	.0	.5	
8-9	.0		.0	.0	.0	.0				.0	• 0			.0	•0	.1	
10-11	.0	.0	.0	.0	.0	.0	.0			.0	• 0			.0	.0		
12	.0	.0	.0	.0	.0	.0	.0			.0	• 0			.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0			.0	• 0			•0	•0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0			.0	•0			.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0			.0	•0			.0	•0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	•0	.0	
26-32 33-40	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	•0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0			.0	•0			.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	:0			.0	.0			.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
TOT PCT	.1	.6	.2		.0	.0	.9			.4	2.8			.0	.0	6.4	99.4
				1 1 1 1 1	.0		.,			.,	2.0	3.0		•0	.0	0.4	,,,,

						10.000		
	MIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	1.2	2.1	.3	.0	.0	.0	3.6	
1-2	1.3	9.4	8.6	.0	.0	.0	19.3	
3-4	•1	6.0	21.7	1.7	.0	.0	29.4	
5-6	.0	1.3	18.1	3.7		.0	23.1	
7	•0	.3	10.0	3.8	.0	.0	14.2	
8-9	.0	.2	3.2	3.1	.1	.0	6.6	
10-11	.0	.0	.7	1.6	.0	.0	2.3	
12	.0	.0	.1	.7	.0	.0	.9	
13-16	.0	.0		.3	.1	.0	.4	
17-19	.0	.0	.1		.0	.0	.1	
20-22	.0	.0			.0	.0		
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								4104
TOT PCT	2.6	19.3	62.9	15.0	.2	.0	100.0	

TABLE 1

AREA 0006 CAPE BLANC 20.3N 18.1W

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HATL	PCPN AT DB TIME	PCPN PAST HOUR	THOR	FOG WU PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	NO SIG WEA
N NE	-1		.1	.0	.0	.0	.0	:2		.3	7.8	.0	9.9	2.3	79.4
NE		-1	.1	.0	.0	•0	.0	.1	.1	.5	4.4	.0	7.8	1.1	85.9
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	.0	.0	6.1	.0	92.3
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23.5	76.5
S	4.3	.0	.0	.0	.0	.0	.0	4.3	.0	.0	.0	4.3	4.3	3.2	83.9
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	9.3	3.9	67.4
	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	7.2	1.2	10.9	4.7	74.8
NW	.1	.3	.0	.0	.0	.0	.0	.3	.0	.3	8.8	.2	8.3	3.4	78.6
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	20.4	.0	.0	2.0	77.6
TOT PCT	7531		.1	.0	.0	.0	.0	.2		.4	7.0	•	9.2	2.1	81.1

TABLE 2

PERCENT	FREQUENCY	OF	WEATHER	DCCURRENCE	BY	HOUR
ATTON TYP.					n'	THER

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST	THOR	FOG WD PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST BLWG SNOW	NO SIG WEA
00603	.0	.1	.1	.0	.0	.0	.0	.2	.1	.6	5.3	.0	7.8	2.1	83.8
90360	.1	.1	.2	.0	.0	.0	.0	.4	.0	.9	7.3	.1	7.3	1.5	82.5
12615	.1	.0	.1	.0	.0	.0	.0	.1	.1	.0	6.9	.1	9.3	1.9	81.6
18621	.2	.0	.0	.0	.0	•0	.0	•2	•1	.2	8.6	•1	11.9	2.6	76.6
TOT PCT	7608		.1	.0	.0	•0	.0	•2	•1	4	7.1	.1	9.1	2.1	81.0

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		wI	ND SPE	ED (KNI	ובדם								HOUR	(GMT)			
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	OBS	FREQ	MEAN SPO	00	03	06	09	12	15	18	21
N NE	.5	11.1	35.0	8.7	:1	.0		55.4	15.5	58.7	67.3	55.2 37.2	47.4	52.9 38.7	72.7	59.0 32.8	52.1
E	.1	.4	.6	.1		.0		1.2	13.4	1.0	.0	1.1	1.6	1.5	.5	.9	1.3
SE		.1		.0	.0	.0		.1	8.1		.0	.2	.2	.1	.5	*	
S	*	.,1	.1		.0	.0		.2	11.7	.2	.0	.2	.2	.4	.0	.2	.1
SW	.1	.2	.1	*	.0	.0		.4	9.3	.4	.6	.3	.3	.4	.4	.4	.5
W	.1	.5	.1	*	.0	.0		.8	7.9	1.0	.0	.7	.4	.8	1.1	1.2	.6
NW	.3	2.0	2.3	.4		.0		4.9	11.9	5.5	6.7	4.5	3.3	4.7	4.3	5.3	5.8
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.5							.5	.0	1.1	1.1	.7	.3	.5	.0	.2	.4
TOT OBS	299	3104	9218	2184	31	0	14836		15.2	2887	175	2800	1444	3009	188	2879	1454
TOT PCT	2.0	20.9	62.1	14.7	.2	.0	1	00.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WND DIR	0-6	WIND 7-16	SPEED 17-27	(KNOTS) 28-40	41+	TOTAL	PCT	MEAN SPD	00	HDUR 06 09	12 15	18
N	3.1	26.2	24.6	1.4	.0		55.4	15.5	59.2 31.6	52.5	54.0	56.7
E	.2	.5	.4				1.2	13.4	1.0	1.2	1.5	1.0
SE	.1			.0	.0		.1	8.1		.2	.1	
5	.1	.1			.0		.2	11.7	.2	.2	.4	.2
SW	.2	.2	.1		.0		.4	9.3	.4	.3	.4	.4
W	.4	.4		.0	.0		.8	7.9	.9	.6	. 8	1.0
NW	1.0	2.8	1.1		.0		4.9	11.9	5,6	4.1	4.7	5.5
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	.5						.5	.0	1.1	.5	.4	.3
TOT OBS	1055	7019	6412	347	3	14836		15.2	3062	4244	3197	4333
TOT PCT	7 1	47 2	42 2	2 2			100-0		100.0	100.0	100.0	100-0

-1	11	N	c
•	٠	**	•

PERIOD:	(PRIMARY)	1921-1973
	(DVED-ALL)	

AREA 0006 CAPE BLANC 20.3N 18.1W

PERCENTAGE	EDECHENCY	DE	MIND	SPEED	RV	HOUR	(CHT)

				WIND	SPEED (KNOTS)			PCT	TOTAL
HOUR	CALM	1-3	4-10	11-21	22-33	34-47	48+	MEAN	FREQ	OBS
00603	1.1	1.3	20.8	61.4	15.3	.2	.0	15.2	100.0	3062
90330	.5	1.4	21.7	60.4	15.6	.3	.0		100.0	4244
12615	.4	1.6	20.4	62.7	14.7	.2	.0	15.2	100.0	3197
18621	.3	1.5	20.7	64.0	13.5	.1	.0	15.1	100.0	4333
TOT	81	218	3104	9218	2184	31	0	15.2		14836
PCT	.5	1.5	20.9	62.1	14.7	.2	.0		100.0	

TABLE 5

TABLE 6

,	CT FREG			LOUD A		(EIGHTHS)			PERCEN	TAGE F	REQUEN	CY UF	CEILIN NH <5/	G HEIG	HTS (T,NH :	>4/8) DN	
WND DIR	0-2	3-4	5-7	8 & 085CD	TOTAL	MEAN CLOUD COVER	000 149	150 299	300 599	600 999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL
N_	45.5	5.0	7.9	7.1		2.0	.5		.3	1.6	2.8	2.2	1.1	.4	.3	1.4	54.6	
NE	15.0	2.8	4.2	2.7		2.5		*	.1	1.C	1.7	1.3	.5	.3	.1	.4	19.3	
E	.5	. 1	.2	.1		2.4	.0	.0	.0	*	.1	*		*	.0	*	.7	
SE						4.1	.0	.0	.0	.0		.0	.0	.0	.0	.0	.1	
S	.2		.1			2.7	.0	.0	*	*	.0	*	.0		.0	.0	.2	
SW	.2		.1	.1		3.2		.0	*	*	.0	*	.0		.0	.0	.4	
W	.4	.1	.1	.4		4.3	.0	.0	*	.1	.1	.1	*		.0	.0	.7	
NW	4.0	.6	1.0	1.0		2.7		.0	.1	.1	.4	.3	.1	*		.1	5.4	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.6			.1		1.3		.0	.0	.0	.0		*	.0	.0	.0	.6	
TOT OBS	4037	525	819	694	6075	2.2	36	3	32	173	310	248	107	49	27	118	4972	6075
TOT PCT	66.5	8.6	13.5	11.4	100.0		.6		.5	2.8	5.1	4.1	1.8	.8	.4	1.9	81.8	100.0

TABLE 7

CUMULATIVE PCT FREQ UF SIMULTANEOUS UCCURRENCE OF CETLING HEIGHT (NH >4/8) AND VSBY (NM)

				VSBY (NE	1)			
CEILING	- OR	- OR	- DR	= DR	- DR	= DR	- DR	- DR
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
■ DR >6500	.8	1.9	2.4	2.4	2.4	2.4	2.4	2.4
■ DR >5000	1.3	2.6	3.2	3.2	3.2	3.2	3.2	3.2
* OR >3500	2.2	4.3	5.0	5.0	5.0	5.0	5.0	5.0
= DR >2000	4.3	8.0	9.1	9.1	9.1	9.1	9.1	9.1
■ DR >1000	6.8	12.5	14.0	14.0	14.1	14.1	14.1	14.1
■ DR >600	7.7	14.8	16.8	16.9	16.9	16.9	17.0	17.0
■ DR >300	7.9	15.2	17.4	17.4	17.5	17.5	17.5	17.5
# DR >150	8.0	15.2	17.4	17.5	17.5	17.5	17.5	17.5
. DR > 0	8.0	15.4	17.8	17.9	18.0	18.1	18.1	18.1
TOTAL	486	925	1084	1088	1005	1000	1104	1104

TOTAL NUMBER OF OBS: 6088 PCT FREQ NH <5/8: 81.9

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

4 5 6 7 8 DBSCD OBS 0 1 2 3 56.5 10.3 6,1 4.7 3.1 2.6 3.5 4.3 8.5 .5 6352

PERIOD: (PRIMARY) 1921-1973 (OVER-ALL) 1855-1973

TABLE 8

AREA 0006 CAPE BLANC 20.3N 18.1W

PERCENT				NON-OCCURRENCE	OF

VSBY (NM)		N	NE	E	SF	5	SW	W	NW	VAR	CALM	PCT	TOTAL
	PCP		.0	.0	.0	.0	.0	.0	.0	.0	.0		
<1/2	NO PCP	.1	.0	.0	.0		.0		.0	.0		.2	
	TOT X	.1	.0	.0	.0		.0	•	.0	.0		.2	
	PCP	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0		
1/2<1		1.3	.3	.0	.0	.0		.0	.2	.0		1.8	
	TOT %	1.3	. 3	.0	.0	.0		.0	.2	.0		1.8	
	PCP		.0	.0	.0	.0	.0	.0	.0	.0	.0		
1<2	NO PCP	1.1	.4	.0		.0	*	.0	.1	.0		1.6	
	TOT %	1.1	.4	.0		.0		.0	:1	.0		1.6	
	PCP			.0	.0	.0	.0	.0		.0	.0		
2<5	NO PCP	5.9	1.1			:	:	.1	.6	.0	*	7.9	
	TOT \$	5.9	1.1					:1	.6	.0		7.9	
	PCP	.1		.0	.0	.0	.0	.0		.0	.0	.1	
5<10	NO PCP	25.3	9.7	.3		. 1	.1	.5	2.6	.0	.2	39.0	
	TOT %	25.3	9.8	.3		:1	.1	.5	2.6	.0	.2	39.1	
	PCP	.0	.0	.5	.0	.1	.0	:0	.0	.0	.0		
10+	NO PCP	30.4	14.6	. 5	.1	.1	.2	.4	2.8	.0	.3	49.4	
	TOT &	30.4	14.6	.5	. 1	. 2	.2	.4	2.8	.0	.3	49.4	
	TOT OBS												7514
	TOT PCT	64.1	26.1	.9	.1	.3	.4	1.0	6.4	.0	.7	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

							INCOL	3 0, .	131011				
VSBY (NM)	SPD	И	ME	٤	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	*	*	
<1/2	4-10	.1	.0	.0	.0	*	.0	*	.0	.0		.1	
	11-21	*	.0	.0	.0	.0	.0	.0	.0	.0		*	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.1	.0	.0	.0	*	.0		.0	.0	*	.2	
	0-3	.0	.0	.0	.0	.0	.0		*	.0			
1/2<1	4-10	.3	*	.0	.0	.0		.0	.1	.0		.4	
	11-21	.6	.1	.0	.0	.0	.0	.0	.1	.0		. 8	
	22+	.1	.1	.0	.0	.0	.0	.0	*	.0		.2	
	TOT %	1.0	.2	.0	.0	.0	*	*	.1	.0		1.4	
	0-3		.0	.0	.0	.0	.0	.0		.0	*	*	
1<2	4-10	.1			*		*	*	.1	.0		.2	
	11-21	.7	.2	.0	*	.0	.0	.0	*	.0		1.0	
	22+	.2	.1	.0	.0	.0	.0	.0	*	.0		.2	
	TOT %	.9	.3	. *				*	.1	.0	*	1.4	
	0-3	.1		.0	.0	.0		*		.0	.1	.3	
2<5	4-10	.9	.2	*	.0	.0	*	.1	.2	.0		1.5	
	11-21	3.1	- 9	*	*	*	*	.0	.3	.0		4.2	
	22+	.9	.4	*	.0	.0	.0	.0	*	.0		1.4	
	TOT %	5.0	1.5		*	*	.0	.0	. 5	.0	.1	7.4	
	0-3	.2	.1			.0	*	.1	.1	.0	.2	.8	
5<10	4-10	4.3	1.9	.1	*	.1	.1	.4	. 8	.0		7.7	
	11-21	14.6	7.0	.1	*		*	.1	1.2	.0		23.1	
	22+	3.8	2.2		.0		*		. 2	.0		6.2	
	TOT %	22.9	11.2	.4		.1	.1	.5	2.3	.0	.2	37.7	
	0-3	.3	.2	.1				.1	.2	.0	.2	1.1	
10+	4-10	5.9	3.5	.2			.1	.2	1.1	.0		11.0	
3	11-21	19.1	12.6	.3	*		.1	.1	1.1	.0		33.2	
	22+	4.2	2.2	*	.0			*	.1	.0		6.6	
	TOT *	29.5	18.5	.5		.1	.2	.4	2.5	.0	.2	51.9	
1	TOT 085												10512
1	TOT PCT	59.4	31.7	. 0	- 1	- 2	-4	1.1	5.5	-0	-6	100.0	

JUNE PERIOD: (PRIMARY) 1921-1973 (GVER-ALL) 1855-1973 AREA 0006 CAPE BLANC 20.3N 18.1W PERCENT FREQUENCY OF CEILING HFIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR (GMT) 5000 6500 8000+ TOTAL NH <5/8 6499 7999 ANY HGT 00603 3.0 .9 .4 . 2 1.7 11.5 90300 8.4 5.3 2.7 .9 .6 2.3 27.0 73.0 1444 .1 .3 2.9 5.5 4.9 2.0 .6 1.8 19.7 1718 80.3 18821 .3 .1 . 3 2.0 3.3 2.7 1.5 . 3 1.8 13.3 86.7 1568 TOT 36 174 310 33

TABLE 11

TABLE 12

		PERCENT	FREQUEN	CY VSBY	(NM)	BY HOUR		CUMULAT	IVE PCT	FREQ IG HGT	OF RAN	GES OF NH >4/8	VSBY (NM)	AND/DR
(GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL
00803	.0	1.0	.6	5.9	36.4	56.0	2339	00603	.5	1.1	7.6	8.5	84.0	1467
90300	.2	1.4	1.6	6.3	38.4	52.1	2831	90300	.7	2.2	13.6	19.0	67.5	1408
12615	.3	1.0	1.6	9.8	36.3	50.9	2493	12615	.8	1.4	14.6	13.7	71.7	1670
18621	.1	2.0	1.8	7.6	39.6	49.0	2927	18621	.3	.8	11.7	9.3	79.1	1543
PCT	17	149	153	792 7.4	4002 37.8	5487 51.8	10590 100.0	TOT PCT	36	83	726 11.9	763 12.5	4599 75.5	6088

TABLE 13 TABLE 14 PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP PERCENT FREQUENCY OF WIND DIRECTION BY TEMP THTAL PCT TEMP F 0-29 30-39 40-49 50-59 60-69 70-79 80-89 90-100 CALM 85/89 80/84 75/79 70/74 65/69 60/64 55/59 TOTAL PCT 2 * 4 27 .4 271 4.5 2031 33.7 3397 56.4 295 4.9 2 * 6025 100.0 .00.000000 .0 .0 .0 .0 .0 .9 .1 .0.0.0.000 .0 * .4 3.1 2.6 .2 .000000 .1 .4 .4 .0 .0 .2 . 4 1.0

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR
HOUR MAX 99% 95% 50% 5% 1% MIN HEAN TOTAL
(GHT)
00603 86 75 72 68 64 63 56 68.0 3053
06609 83 75 73 68 64 62 59 68.1 4227
12615 88 81 77 71 66 64 58 70.9 3136
18621 85 80 76 70 65 04 56 70.4 4235
TOT 88 79 75 69 64 63 56 69.3 14651

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR 0-29 30-59 60-69 70-79 80-89 90-100 MEAN TOTAL OBS

(GMT) 00603 .0 .1 .7 9.8 48.2 41.3 87 1466

06609 .0 .1 .9 7.4 48.6 43.0 87 1506

12615 .0 .4 4.0 33.7 47.5 14.5 81 1548

18621 .0 .3 3.4 23.9 54.5 17.9 83 1555

TOT 0 13 138 1146 3018 1755 85 6070

PERIOD: (PRIMARY) 1921-1973
(OVER-ALL) 1855-1973

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FUG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE (DEG F)

			VS	AIR-	SEA T	EMPERA	TURE	DIFFE	RENCE	(DEG F)		
AIR-SEA	53	57	61	65	69	73	77	81	85	TOT	W	WO
THP DIF	56	60	64	68	72	76	80	84	88		FOG	FDG
17/19	.0	.0	.0		.0	.0		.1	.0	3	.0	
14/16	.0	.0	.0				.1	.1		17		.2
11/13	.0	.0	.0			.1	.3	.1	.0	43		.6
9/10	.0	.0	.0		.3		.4	.1	*	86	.2	1.1
7/8	.0	.0	.0	.2	.9		.2	.1	.0	179	.3	2.3
6	.0	.0		.2	.9	.7	.2		.0	143	.2	1.9
5	.0	.0	.0	1.2	2.6	1.1	.3	*	.0	349	.5	4.7
4	.0	.0	. 1	2.0	3.1	1.0	.2		.0	434	.4	6.0
3	.0	.0	.2	4.1	3.7	1.4	.1	*	.0	640	.7	8.8
2	.0		.6	6.7	4.5	1.5	.1		.0	907	. 8	12.6
1	.0		1.1	8.2	5.2	1.2	.1		.0	1072	1.2	14.8
0	.0	.0	1.2	8.0	6.2	1.0	.1	.1	.0	1112	1.2	15.3
-1	.0	.0	.7	5.2	4.5	.6			.0	746	. 6.	10.5
-2	.0		.6	3.0	2.5	. 3		.0	.0	435	.7	5.8
-3	.0	.0	.3	1.5	1.2	.2			.0	211	.2	3.0
-4	.0	.0	.4	1.1	.7	.1		.0	.0	158	.3	2.1
-5	.0	.0	.2		.4	*	.0	.0	.0	68	.1	1.2
-6	.0		.1	.2	.2	.0	.0	.0	.0	34		.5
-7/-8			.1	.5	.2		.0	.0	.0	55		. 8
-9/-10	*		.0	.1	.1	*	.0	.0	.0	17	.0	.3
-11/-13	.0	.0	.1		.0	.0	.0	.0	.0	7	.0	.1
-14/-16	.0	.0	.0		.0	.0	.0	.0	.0	1	.0	*
-17/-19	.0	.0	*	.0	.0	.0	.0	.0	.0	1	.0	*
TOTAL	2		382		2509		145		3		504	6234
		9		2894		747		47		6738		
PCT	*	.1	5.7	43.0	37.2	11.1	2.2	.7	*	100.0	7.5	92.5

PERIOD: (OVER-ALL) 1963-1973

								TAI	BLE 18						
				PC	FREO C	F WIND	SPEED	(KTS)	AND DIREC	TION V	ERSUS S	EA HEIG	HTS (FT)		
				N								NE			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	1.9	2	.0	.0	.0	2.4		.1	. 4	.1	.0	• 0	.0	.6
1-2	.2	5.7	6.5	.0	•0	.0	12.3		• 1	1.7	2.3	.0	•0	.0	4.1
3-4	*	4.6	14.5	1.5	•0	.0	20.6		•0	1.2	4.8	• 4	•0	• 0	6.4
5-6	*	.9	12.6	3.1	.0	.0	16.6		.0	.3	5.1	. 8	.0	.0	6.2
7	.0	.1	6.0	3.2		.0	9.4		.0		2.3	1.1		.0	3.5
8-9	.0	*	1.8	1.8		.0	3.7		*	.0	.5	.5	•0	.0	1.1
10-11	.0	*	.6	.9		.0	1,5		.0	.0	.2	.3	.0	.0	.5
12	.0	.0	.1	.5	.0	.0	.6		•0	•0	• 1	•1	•0	.0	• 2
17-19	.0	.0	.0	.1	.0	.0	.1		•0	• 0	.0	.1	•0	•0	•1
20-22	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0
	.0				.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0		•0	•0	•0	.0	•0	.0	•0
33-40	.0	.0	.0	.0	.0	.0	.0		•0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0
TOT PCT	.6	13.3	42.3	11.1	.1	.0	67.3		.2	3.7	15.3	3.4	*	.0	22.6
			,				•				.,,,			••	22.0
HGT	1-3	4-10	11-21	E 22-33	34-47	48+	PCT		1-3	4-10	11-21	SE 22-33	34-47	48+	PCT
<1	.0	.0		.0	.0	.0			.0	*	.0	.0	.0	.0	
1-2	.0	.1	*	.0	.0	.0	.2		.0		.0	.0	.0	.0	
3-4	.0	.1		*	.0	.0	.1		.0	.0		.0	.0	.0	*
5-6	.0		.1	*	.0	.0	.1		.0	.0	.0	.0	.0	.0	.0
7	.0	.0			.0	.0	.1		.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.2	.2	.1	.0	.0	.5		.0	*	*	.0	.0	.0	.1

									J	UNE							
PERIOD:	(OVE	R-ALL)	1963-1	1973				TABLE	18	(CONT)	,			AREA	20.	CAPE B	B.IW
				PC	T FREQ	OF WIND	SPEED					VERSUS	SEA HEIG	HTS (FT			
				S									SW				
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT			1-3	4-10	11-21		34-47	48+	PCT	
<1		.0	.0	.0	.0	.0						0	.0	.0	.0		
1-2			.0	.0	.0	.0	.1			.0	• 2	0	.0	.0	.0	.2	
3-4	.0		.1		.0	.0	.1			.0				.0	.0	.1	
5-6	.0		.0	.0	.0	.0				.0				.0	.0	*	
7	.0	.0		.0	.0	.0				.0	.0			.0	.0	.0	
8-9	.0	.0			.0	.0				.0	. 0			.0	.0		
10-11	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
12	.0	.0	.0		.0	.0				.0	.0			.0	.0		
13-16	.0	.0	.0	.0	.0	.0	.0			.0	• 0			.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0			.0	• 0			.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0			.0	• 0			.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0			.0	• 0			.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0			.0	• 6			.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0			.0	• 0			.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0			.0	• 0			.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0			.0	• 0			.0	.0	.0	
TOT PCT	.1	.1	.1	.1	•0	.0	.3				• 2			.0	.0	.3	
				w									NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT			1-3	4-10	11-21		34-47	48+	PCT	PCT
<1	.1	.1		.0	.0	.0	.2			.2	. 3		.0	.0	.0	.6	
1-2	.1	.3	.1	.0	.0	.0	.5			.1	1.6	9		.0	.0	2.7	
3-4	*	.1	.1	.0	.0	.0	.2			*	.4	1.9	*	.0	.0	2.3	
5-6	.0			.0	.0	.0	.1			*	.1	. 6	.1	.0	.0	.7	
7	.0	.0		.0	.0	.0	*			.0				.0	.0	.4	
8-9	.0	.0	.0	.0	.0	.0	.0			.0	• 0			.0	.0	.2	
10-11	.0	.0	.0	.0	.0	.0	.0			.0	• 0			.0	.0		
12	.0	.0	.0	.0	.0	.0	.0			.0	• 0			.0	.0		
13-16	.0	.0	.0	.0	.0	.0	.0			.0	• 0			.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0			.0	• 0			.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0			.0	• 0			.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0			.0	• 0			.0	.0	.0	
26-32	.0	.0	.0	.0	•0	.0	.0			.0	•0			.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0			.0	•0			.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0			.0	• 0			.0	.0	.0	
49-60	•0	.0	.0	.0	.0	.0	.0			.0	•0			•0	.0	.0	
61-70 71-86	.0	.0	.0	.0	.0	.0	.0			.0	•0			•0	.0	.0	
	.0				.0	.0	.0			.0	.0			.0	.0	.0	
87+ TOT PCT	.0	.0	.0	.0	.0	.0	1.0			.0	2.5			.0	.0	7.0	99.1
וטו דכו	.1	.0		.0	.0	.0	1.0			.4	2.:	3.1	.4	.0	.0	7.0	79.1

	WIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	1.8	2.8	.4	.0	.0	.0	5.0	003
1-2	• 5	9.9	9.7	.0	.0	.0	20.1	
3-4	•1	6.3	21.4	2.0	.0	.0	29.8	
5-6		1.4	18.3	4.0	.0	.0	23.7	
7	.0	.2	8.7	4.4	.1	.0	13.4	
8-9	*	*	2.4	2.5	*	.0	5.0	
10-11	•0	*	.8	1.2	*	.0	2.0	
12	•0	.0	.1	.6	.0	.0	.8	
13-16	•0	.0	.0	.3	.0	.0	.3	
17-19	•0	.0	*	.0	.0	.0	*	
20-22	•0	.0	.0	.0	.0	.0	.0	
23-25	• 0	.0	.0	.0	.0	.0	.0	
26-32	•0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	•0	.0	.0	.0	.0	.0	.0	
49-60	•0	.0	.0	.0	.0	.0	.0	
61-70	•0	.0	.0	.0	.0	.0	.0	
71-86	• 0	.0	• 0	.0	.0	.0	.0	
87+	• 0	.0	.0	.0	.0	.0	.0	
								4100
TOT PCT	2.5	20.6	61.8	15.0	.1	.0	100.0	

TABLE 1

AREA 0006 CAPE BLANC 20.3N 18.1W

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHENO	MENA	
WND DIR	RAIN	RAIN	ORZL	FRZG PCPN	SNOW	OTHER FREN PCPN	HATL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	FDG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	NO SIG WEA
N NE	:1	-1	:2	:0	.0	•0	.1	:3	.2	:2	8.6	:1	12.2	1.8	76.5
E	.0	.5	1.9	.0	.0	.0	.0	2.4	.8	1.1	10.8	1.1	14.2	1.1	68.5
SE	.0	9.0	.0	.0	.0	.0	.0	9.0	.0	.0		.0	20.7	3.6	62.2
S	.6	.0	.0	.0	.0	.0	.0	.6	.0	1.2	13.6	.0	9.2	.0	75.4
SW	1.4	1.0	.0	.0	.0	.0	.0	2.4	.0	1.9	14.1	.5	6.5	2.9	71.8
	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	13.2	.2	12.7	2.4	71.0
NW	.1	.0		.0	.0	.0	.0	.1	.0	.5	10.7	.1	12.2	1.5	74.8
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	•0	.0	.0	.7	.7	26.3	.0	11.7	.7	59.9
TOT PCT	8108	.1	.1	.0	.0	.0	•	.4	.1	.5	8,9	.1	11.6	1.8	76.7

TABLE 2

Denerus.	CREAMENT	~-	HEATHER	OCC. OCCHOC	av.	HOUSE

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA		
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	BLW	PRAY G DUST G SNOW	NO SIG WEA
00603 06609 12615 18621	.2 .2 .2	•1 •2 •	:1 :4 :4 :1	.0	.0	.0	.1 .0 *	.4 .8 .4 .1	.0 .2 .1	1.0	7.4 9.5 9.4 9.8	.0 * .3	9.7 9.5 12.2 14.6		2.0 1.5 1.9 2.0	79.7 77.6 75.8 73.4
TOT PCT	8281	•1	.2	.0	.0	•0		.4	.1	.5	9.1	.1	11.5		1.8	76.5

TARLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		WI	D SPE	ED (KN	וצדם								HOUR	(GHT)			
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	FREQ	SPD	00	03	06	09	12	15	18	21
N NE	1:1	12.3	28.2	7.6	:1	.0		49.3	14.9	51.1	56.8	48.9	43.3	48.3	60.4	51.9	46.5
E	.2	. 8	.5	.1		.0		1.6	9.6	1.5	1.2	1.7	2.2	1.6	1.0	1.1	1.7
SE	.1	.3	.1		.0			.4	8.8	.3	.6	.3	.6	.6	.0	.5	
S	.1	.5	.1		.0	.0		.7	7.4	.8	2.9	. 8	.6	.8	.6	.7	.5
SW	.2	.8	.2		.0	.0		1.2	6.9	.9	1.4	1.3	.9	1.2	1.8	1.4	1.6
W	.3	2.2	.6		.0	.0		3.1	7.6	3.5	2.3	3.0	5.0	3.3	4.5	3.3	2.0
NW	.5	5.4	3.7	.5		.0		10.1	10.7	10.4	13.5	10.5	7.5	10.5	8.6	10.4	9.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.6							1.6	.0	1.9	.0	1.8	1.1	1.8	.6	1.6	1.0
TOT DBS	729	4529	7940	1905	23	1	15127		13.7	2982	165	2951	1380	3184	168	2961	1336
TOT PCT	4.8	29.9	52.5	12.6	.2			100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

		MIND	SPEED	(KNDTS)						HOUR	CONT)
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL	PCT	MEAN	00	06	12	18
						ORS	FREQ	SPD	03	09	15	21
N	4.8	23.4	19.5	1.5			49.3	14.9	51.4	47.1	48.9	50.2
NE	2.9	15.3	13.1	. 8	.0		32.1	14.7	29.2	35.0	31.4	31.7
E	.6	. 8	.2		.0		1.6	9.6	1.5	1.9	1.6	1.3
SE	.2	.2		.0			.4	8.8	.3	.4	.6	.4
S	.4	.3		.0	.0		.7	7.4	.9	.8	. 8	.6
SW	:4	.4	.1		.0		1.2	6.9	.9	1.2	1.2	1.4
W	1.5	1.5	.1	.0	.0		3.1	7.6	3.5	2.7	3.4	2.9
NW	2.6	5.8	1.6	.1	.0		10.1	10.7	10.5	9.5	10.4	10.0
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	1.6	-					1.6	.0	1.8	1.5	1.7	1.4
TOT OBS	2306	7214	5237	367	3	15127		13.7	3147	4331	3352	4297
TOT PCT	15.2	47.7	34.6	2.4		-	100.0		100.0	100.0	100.0	100.0

JULY

PERIOD: (PRIMARY) 1922-1973 (OVER-ALL) 1856-1973

TABLE 4

AREA 0006 CAPE BLANC 20.3N 18.1W

0 0

PERCENTAGE	FREQUENCY	DE	WIND	SPEED	RY	HOUR	(GMT)

				HINO	SPEED (VHOTEL			PCT	TOTAL
HOUR	CALM	1-3	4-10	11-21		34-47	48+	MEAN	FREQ	OBS
00603	1.8	2.1	30.4	52.1	13.4	.1		13.9	100.0	3147
90300	1.5	3.6	31.0	51.9	12.0	.1	.0	13.5	100.0	4331
12815	1.7	4.0	29.6	53.0	11.5	.3	.0	13.6	100.0	3352
18821	1.4	3.1	28.8	53.0	13.5	.2	.0	13.9	100.0	4297
TOT	244	485	4529	7940	1905	23	1	13.7		15127
PCT	1.6	3.2	29.9	52.5	12.6	.2			100.0	

TABLE 5

												.,	OLL O					
	PCT FRE			D DIREC		(EIGHTHS)		7.33	PERCEN	TAGE F	REQUEN	ICY OF	CEILIN NH <5/	B BY W	HTS (F	T,NH	94/8) ON	
WND DIR	0-2	3-4	5-7	8 & 085CD	TOTAL	CLOUD COVER	000 149	150 299	300 599	600	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	9000+	NH <5/8 ANY HGT	TOTAL OBS
N	30.4	5.3	10.4	10.2		3.1	.6	.1	.6	2.1	4.8	3.9	1.4	.6	.6	1.4	40.2	
NE	10.0	2.3	5.1	3.9		3.4	.1	.0	.3	.9	2.5	1.4	. 8	.3	.3	.6	14.8	
E	.5	.1	.2	.2		3.7		.0	.0		.1	.1		*	.0		.6	
SE				.2		6.3			.0		.1		.0	.0	.0	.0	.1	
S	.6	.1	.1	.2		2.9	.0	.0			.1	.1	.1		.0	.0	.7	
SW	.5	.1	.3	.3		3.7		.0		.1	.1	.1	.1				. 8	
*	1.3	.4	.9	1.4		4.7	.1	.0		.2	.6	.4	. 2	*	.1	.2	2.2	
NW	4.5	1.3	3.2			4.4	.2		.1	.9	1.8	1.3	.4	.1	.1	.4	7.4	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.9	.1	.3	.5		3.6	.2	.0		.1	.1	.2	1				1.1	
TOT OBS	3183	634	1334	1320	6471	3.4	83	10	68	278	655	475	191	74	69	170	4398	6471
TOT PCT	49.2	9.8	20.6	20.4	100.0		1.3	.2	1.1	4.3	10.1	7.3	3.0	1.1	1.1	2.6	68.0	100.0

CUMULATIVE PCT FREQ OF SIMULTANFOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

					VSBY (NM	1)			
	LING	· OR	• OR	- DR	- DR	= DR	· DR	- DR	- DR
(FE	ET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
UR >6	5500	1.2	3.0	3.7	3.7	3.7	3.7	3.7	3.7
OR >!	5000	1.8	4.0	4.8	4.9	4.9	4.9	4.9	4.9
OR >:	3500	3.2	6.7	7.7	7.8	7.8	7.8	7.8	7.8
OR >2	2000	6.4	12.9	15.0	15.1	15.1	15.1	15.1	15.1
OR >	1000	10.4	22.1	25.0	25.1	25.2	25.2	25.2	25.2
DR >6	500	11.9	25.8	29.3	29.4	29.5	29.5	29.5	29.5
DR >	300	12.1	26.5	30.3	30.5	30.5	30.6	30.6	30.6
DR >	150	12.1	26.6	30.4	30.6	30.6	30.7	30.7	30.7
OR >	0	12.2	27.1	31.4	31.6	31.7	31.8	31.9	31.9
	DTAL	795	1769	2053	2064	2070	2075	2083	2085

TUTAL NUMBER OF OBS: 6533 PCT FREQ NH <5/8: 68.1

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 OBSCO OBS 42.4 7.7 6.0 5.3 5.2 3.8 5.6 7.2 15.6 1.2 6940

-ALL)	1856-1973						TA	BLE 8					50
		P	ERCENT	PRECI	F WIND	DIREC	TION H VAR	VS OCC	ALUES	F OR N	IBILIT	URRENC Y	E DF
VSBY		N	NE	F	SF	5	SW		NW	VAR	CALM	PCT	TOTAL
	PCP	.0	.0	.0		.0	.0	.0	.0	.0	.0		
<1/2	NO PCP	.1				.0	.0		.1	.0	.1	.3	
	TOT %	.1	•	•	•	.0	.0		.1	.0	.1	.3	
	PCP		.0	.0	.0	.0	.0	.0	.0	.0	.0		
1/24	1 NO PCP	.8	:0	. 1		:0	.1	:0	.3	.0		1.9	
	TOT &	.9	.4	:0 :1 :1	•	.1	.1	.1	.3	.0		2.0	
	PCP			.0	.0	.0	.0	.0	.0	.0	.0		
1<2	NO PCP	1.1	.5	.1		.0		.1	.2	.0	.1	2.0	
7.27	TOT %	1.2	.5	.1		.0		.1	.2	.0	.1	2.1	
	PCP		.0	.0		.0	.0	.0		.0	.0		
2<5	NO PCP	5.6	1.8	:0	:	.1	.1	.5	1.6	.0	.2	10.1	
	TOT &	5.7	1.8	.1		:1	.1	.5	1.6	.0	.2	10.1	
	PCP	.2				.0		.0		.0	.0	.3	
5<10	NO PCP	26.2	10.1	.5	.2	.5	.6	1.6	5.7	.0	. 8	46.3	
-	TOT %	26.4	10.2	.6	.2	.5	.6	1.6	5.8	.0	.8	46.6	
	PCP			.0	.0			.0	.0	.0	.0		
10+	NO PCP	21.4	9.7	.3	.1	.4	.4	1.6	4.5	.0	.4	38.9	
	TOT &	21.4	9.7	.3	.1	.4	.4	1.6	4.5	.0	.4	39.0	

TOT OBS TOT PCT 55.5 22.6 1.2 .3 1.1 1.3 4.0 12.4 .0 1.7 100.0 8082

TABLE 9

									ISIBIL		ED		
VSBY (NM)	SPD	N	NE	ε	SE	S	SW	*	NW	VAR	CALM	PCT	TOTAL
	0-3	*	.0	.0	.0	.0	.0	.0	*	.0	.1	.1	
<1/2	4-10					.0	.0	*		.0		.1	
	11-21		.0	.0	.0	.0	.0	.0	*	.0			
	22+	.0		.0	*	.0	.0	.0	.0	.0			
	TOT %	.1			*	.0	.0	*	.1	.0	.1	.3	
	0-3				.0					.0			
1/2<1	4-10	.1	.1	*	*		*	.1	.1	.0		.5	
	11-21	.4	.2		.0	*	.0	*		.0		.7	
	22+	.1	*	.0	.0	.0	.0	*	.0	.0		.1	
	TOT %	.6	.3	*	*	.1		.1	.2	.0	*	1.5	
	0-3			.0	.0	.0	.0			.0	.1	:1	
1<2	4-10	.2	.1	*			*	.1	.1	.0		.5	
	11-21	.7	.3	*	.0	.0	.0	*	.1	.0		1.0	
	22+	.1	.1	.0	.0	.0	.0	.0		.0		.3	
	TOT %	1.0	.5		*	*	*	.1	.2	.0	.1	2.0	
	0-3	.2	.1						.1	.0	.3		
2<5	4-10	1.3	.6	.1	*	.1	.1	.3	.8	.0		3.3	
	11-21	2.8	1.2	.1	*	.0		*	.5	.0		4.6	
	22+	.8	.3		.0	.0	.0	.0	*	.0		1.2	
	TOT %	5.1	2.1	.2	*	.1	.1	.4	1.4	.0	.3	9.8	
	0-3	.5	.3	.1		.1	.1	.2	.2	.0	.8		
5<10	4-10	5.6	2.4	.3	.1	.2	.4	1.1	2.6	.0		12.8	
	11-21	13.9	7.0	.2	*	.1	.1	.2	2.1	.0		23.6	
	22+	3.9	1.9	*		.0	.0	.0	.3	.0		6.2	
	TOT %	23.9	11.6	.6	.2	.4	.6	1.5	5.2	.0	.8	44.8	
	0-3	.4	.2	.1		.1	.1	.1	.1	.0	.4	1.4	
10+	4-10	5.8	3.1	.2	.1		:2	1.0	2.3	.0		13.0	
	11-21	12.6	7.9	:2	*	:2	.1	.3	1.5	.0		22.7	
	22+	2.8	1.5	*	*	*	*	*	.2	.0		4.6	
	TOT %	21.5	12.8	.4	.1	.4	.4	1.5	4.1	.0	.4	41.7	
	OT OBS												11104
T	OT PCT	52.3	27.4	1.2	. 4	. 0	1.2	3.6	11.3	-0	1.6	100.0	

		4	

								JU	ILY					
PERIOD:		22-1973 56-1973						TABLE	10			AR		CAPE BLANC
				PER	CENT F			CEILIN				>4/8) A	ND	
	HOUR		150 299	300 599	600	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL
	0300	3 1.4	.1	.5	2.4	6.8	4.4	1.2	.5	.7	1.3	19.3	80.7	1613
	0660	9 2.3	.1	1.6	5.6	13.4	8.3	3.6	1.6	1.0	2.6	40.2	59.8	1596
	126	15 .7	.3	1.3	4.9	11.7	9.0	3,4	1.6	1.4	3.8	38.2	61.8	1847
	186	21 .7	.1	.8	3.8	7.2	6.7	3.2	.8	1.1	2.5	26.9	73.1	1677
	TO PC		10	71	283	662	483 7.2	194	75 1.1	71	175	2109	4624 68.7	6733 100.0

			TA	BLE 1	1						TABLE	12		
		PERCENT	FREQUENCY	VSgY	(NM)	BY HOUR		CUMULAT	IVE PCT	FREQ G HGT	OF RAN	GES OF NH >4/8	VSBY (NM)	AND/OF
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL DBS	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00603	.2	1.2	1.5	7.7	42.5	46.9	2498	00803	1.4	2.3	11.9	14.2	73.9	1552
90300	.6	1.8	2 • 1	7.6	44.0	43.8	3043	90360	2.4	4.2	17.5	28.0	54.5	1556
12615	.3	1.3	2.3 1	3.3	44.9	38.1	2720	12815	.7	2.5	20.7	27.1	52.2	1786
18621	.1	1.9	2.1 1	0.8	47.1	38.0	3019	18821	.7	1.7	17.3	18.6	64.1	1639
TOT	33		228 1	110	5044		11280	TOT	82	173		1445	3977 60.9	6533

				т	ABLE 1	•									TABLE	E 14				
	PERCE	NT FR	EQUENC	Y OF R	ELATIVE	HUMI	11TY 8	Y TEMP	TOTAL	PCT		PERC	ENT FRE	QUENCY	OF W	IND DI	RECTIO	N BY T	EMP	
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100		FREQ	N	NE	E	SE	5	SW	W	NW	VAR	CALM
85/89	.0	.0	.0		.1	.1	.0	.0	9	.1	.1		.0	.0		.0			.0	.0
60/64	.0	.0		.1	.3	1.5	.8	.2	183	2.9	1.3	.4	.1	*	.1	.1	.2	.7	.0	
75/79	.0	.0			.7	7.3	9.3	2.8	1267	20.1	8.9	3.3	.2	.1	.4	.4	1.9	4.4	.0	.5
70/74	.0	.0			.3	7.0	26.0	12.4	2887	45.3	24.5	12.0	.6	.1	.3	.4	1.5	5.9	.0	.5
65/69	.0	.0	.0	.0		1.1	15.5	14.0	1931	30.7	19.9	8.5	.4	.0	*	.1	.2	1.4	.0	.1
60/64	.0	.0	.0	.0		.0	.1	.3	23	.4	.3			.0	.0	.0	.0		.0	.0
TOTAL	0	0	3	. 8	97	1072	3256	1864	6300	100.0										
PCT	.0	.0		.1	1.5	17.0		29.6			55.0	24.2	1.2	.3	.9	1.0	3.8	12.4	.0	1.2

PCT		0 .0		.1	1.5			7 29.		100.0	55.0	24.2	1.2	.3	.9	1.0	3.8 12	٠٠ .	0 1.2
				TAB	LE 15										TABLE	16			
	MEANS,	EXTREMES	AND	PERCEN	TILES	OF TEM	P (0E	5 F) B	Y HOUR			PERC	ENT FRE	QUENCY	OF RELA	TIVE H	UMIDITY	BY HQU	R
HOUR (GMT)	MAX	998	95%	50%	5%	12	MIN	MEAN	TOTAL		HQUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100		TOTAL
00803 90800	85	79 79	77	71	66	64	62	70.8	3164		60300	.0	.0	.5	7.5	50.7	41.3	88	1561
12615	90	83	81	73	67	66	61	73.6	3310		12615	.0	.2	3.4		51.8			1608
18621	88	83	80	73	67	66	64	73.1	4256		18821	.0	.2	1.9	22.7	56.6	18.6		1605
TOT	90	82	79	72	66	64	59	72.0	15074		TOT	0	11	98	1091	3315	1900	85	6415

PERIOD: (PRIMARY) 1922-1973 (OVER-ALL) 1856-1973

TABLE 17

AREA 0006 CAPE BLANC 20.3N 18.1W

••••													
PCT FREQ OF	AIR	TEM	PERAT	AIR-	DEG F	AND EMPERA	THE O	CCURR	ENCE D	F FOG (WI	THOUT	PRECIPI	(NOITAT
AIR-SEA	57	61	65	69	73	77	81	85	89	TOT		WO	
THP DIF	60	64	68	72	76	80	84	88	92		FOG	FOG	
20/22	.0	.0	.0	.0	.0	.0		.0	.0	1	.0		
17/19	.0	.0	.0	.0	.0		.0	.0		3	.0		
14/16	.0	.0	.0	.0		.1	.1		.0	15		.2	
11/13	.0	.0	.0	.0		.2	.1	.1		29	.1	.3	
9/10	.0	.0		.0	.3	.4	.1		.0	62	.2	.7	
7/8	.0	.0		.3	. 8	.5	.2	.1	.0	146	.3	1.7	
6	.0	.0		.5	.6	.4	.1			128	.3	1.4	
5	.0	.0	.2	.9	1.2	.7	.4		.0	250	.4	2.9	
4	.0	.0	.7	1.7	1.3	.7	.4	.1	.0	362	.7	4.2	
3	.0		1.8	2.7	1.6	.5	.2	.0	.0	509	.7	6.1	
2	.0	.1	3.3	4.1	1.9	1.1	.4		.0	813	1.4	9.5	
1	.0	.1	4.4	5.6		1.0	.1	.0	.0	1058	1.4	12.7	
0	.0	.1	3.6	5.4	4.2	1.7	.2		.0	1137	1.1	14.1	
-1	.0	.1	2.2	4.3	4.3	1.3	.2	.0	.0	921	1.0	11.3	
-2		.2	1.5	3.1	3.1	1.3		.0	.0	689	.7	8.5	
-3	.0	.1	.7	2.5		.5	.1	.0	.0	500	.4	6.3	
-4	.0	.1	.9	1.7	1.7	.4	.0	.0	.0	356	.3	4.4	
-5		.1	.6	1.5		.2		.0	.0	249	.5	2.9	
-6	*		.2	.5			.0	.0	.0	94	.1	1.2	
-7/-8			.4	.5	.3		.0	.0	.0	101	.2	1.1	
-9/-10	.0	.1	.1	.3		.0	.0	.0	.0	49		.6	
-11/-13	.0		.1		.0	.0	.0	.0	.0	14	.0	.2	
-14/-16	.0	.0		.0		.0	.0	.0	.0	2	.0		
TOTAL	4		1561	3 3 3 3	2146		196		3		721	6767	
0.00		72		2672		811		23		7488	-		
PCT	.1	1.0	20.8		28.7	10.8	2.6	.3		100.0	9.6	90.4	
											-		

PERIOD: (OVER-ALL) 1963-1973

TABLE 18

				PC	T FREQ	OF WIND	SPEED	(KTS)	AND DIRE	CTION V	FRSUS S	FA HEIG	HTS (FT)	
				N					- NO OINE		Euges 3	NE			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.6	1.6	.2	.0	.0	.0	2.4		.1	.4		.0	.0	.0	.5
1-2	.3	7.1	4.8	.0	.0	.0	12.1		.1	2.2	1.5	.0	.0	.0	3.8
3-4		3.5	12.6	1.2	.0	.0	17.4		.0	1.4	4.8	.4	.0	.0	6.6
5-6		.0	9.5	1.6	.1	.0	11.8		.0	.3	3.1	.6		.0	4.1
7	*	.2	5.0	2.9		.0	8.1		.0		1.3	. 8		.0	2.1
8-9	.0		1.8	2.2	.0	.0	4.0		.0	.0	.5	.5	.0	.0	1.0
10-11	.0	.0	.5	1.3	.0	.0	1.8		.0	.0	.2	.2		.0	.4
12	.0		.2	.5	.0	.0	.7		.0	.0	.1	.1	.0	.0	.1
13-16	.0	.0	.1	.4	.1	.0	.5		.0	.0	.0	.1		.0	.1
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
61-70 71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.0	13.0	34.7	10.0	•1	.0	58.8		.2	4.3	11.5	2.7	.1	•0	18.8
				E								SE			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	*	.1	.0	.0	.0	.0	.1				.0	.0	.0	.0	
1-2	.0	.1		.0	.0	.0	.2		.0	.1		.0	.0	.0	.1
3-4	.0	.2	.1	.0	.0	.0	.2		.0	.0		.0	.0	.0	
5-6	.0	.0	.1	.0	.0	.0	.1		.0	.0		.0	.0	.0	
7	.0	.0		.0	.0	.0			.0	.0	.0		.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0		.0	.0			.0	.0	.0	.0	.0		
12	•0	.0	.0	.0	•0	.0	.0		.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	•0	.0	.0		.0	.0	.0	.0	.0	.0	.0
	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
26-32 33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	•0	.0	.0		.0	•0	.0	.0	.0	.0	•0
49-60	.0	.0	.0	.0	.0	.0	.0		.0	•0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0		.0		.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0		.0	•0	.0		.0	.0	.0
TOT PCT		.4	.2	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0
idi Pei			. 2		•0	.0	.6			.1	.1		.0	•	.3

050100	Louis		1042						JULY					0004		
PERIOD:	OVE	K-ALL)	1963-1	973				TAPLE	18 (CONT)			AKEA	20.		8.1W
				PC	T FREQ DE	WIND	SPEED	(KTS)	AND DIRE	CTION	VERSUS	SEA HEIG	HTS (FT)		
HGT	1-3	4-10	11-21	S 22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	3	*	.0	.0	.0	.0	.1		1-3	.2			.0	.0	.2	
1-2		.5	.1	.0	.0	.0	.6		.1	.6		.0	.0	.0	.8	
3-4	.0	.1	.1	.0	.0	.0	.2		.0	.1		.0	.0	.0	.2	
5-6	.0			.0	.0	.0			.0	.0			.0	.0		
7	.0		.0	.0	.0	.0			.0			.0	.0	.0		
8-9	.0	.0	.0		.0	.0			.0	.0			.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0	.0	1
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0		•0	.0			.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0		•0	.0			.0	.0	.0	
TOT PCT	.1	•6	.3	•	•0	.0	1.0		•1	.9	.2	.0	.0	.0	1.2	
												NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.2	.7		.0	.0	.0	.9		-1	.9		.0	.0	.0	1.1	
1-2	.1	1.8	.1	.0	.0	.0	2.0		• 1	3.6		.0	.0	.0	4.8	
3-4	.0	.4	.4	.0	.0	.0	.7			2.0	2.0	.1	.0	.0	4.0	
5-6	.0	.1	.2	.0	.0	.0	.3		•0	• 3	1.3	.2	.0	.0	1.8	
7	.0	.0	.1	.0	•0	.0	.1		.0			.3	.0	.0	.8	
8-9	.0	.0	.0	.0	•0	.0	.0		•0				.0	.0	.2	
10-11	.0	.0		.0	.0	.0			.0	.0			.0	.0	.1	
12	.0	.0	.0	.0	.0	.0	.0		•0	• 0			.0	.0	• 1	
13-16	.0	.0	.0	.0	.0	.0	.0		•0	•0			.0	.0	.0	
	.0	.0	.0	.0	.0	.0	.0		•0	•0			.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0		•0	.0			.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0		•0	•0			.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0		.0	•0		.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0		.0	•0			.0	.0	.0	
TOT PCT	.2	3.0	.9	.0	.0	.0	4.1		.3	6.8			.0	.0	12.9	
		0							,,							

	WIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	3.8	4.0	.3	.0	.0	.0	8.1	003
1-2	.9	16.0	7.7	.0	.0	.0	24.5	
3-4	•1	7.6	20.0	1.6	.0	.0	29.3	
5-6		1.2	14.2	2.4	.1	.0	18.0	
7		. 3	6.8	4.0		.0	11.1	
8-9	.0		2.3	2.8	.0	.0	5.1	
10-11	.0	.0	.8	1.6			2.4	
12	•0		.3	.6	.0	.0	.9	
13-16	•0	.0	.1	.5	.1	.0	.6	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	•0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0		.0	.0	.0	.0	.0	
33-40	•0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	•0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
				1000				4525
TOT PCT	4.8	29.1	52.4	13.5	.2		100.0	

PERIOD: (PRIMARY) 1922-1973 (OVER-ALL) 1854-1973

TABLE I

AREA 0006 CAPE BLANC 20.4N 18.0W

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

			F	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN	ORZL	FRZG PCPN	SHUM	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNDW	NO SIG WEA
N NE	:1	.3	.1	:0	:0	.0	.0	.2	•2	.6	5.6		8.8	1.3	83.3
SE	3.2	1.3	1.0	.0	:0	•0	.0	5.4	.6	2.2	6.8	.0	6.0		79.6
26	4.5	•0	.8	.0	.0	•0	.0	5.3	.0	4.5	9.5	.0	2.3	.0	78.4
S	.5	.0	. 8	.0	.0	.0	.0	1.3	.0	1.6	7.2	.0	9.3	1.1	79.5
SW	2.3	.0	.3	.0	.0	•0	.0	2.6	1.2	.0	12.4	.0	11.2	.0	72.6
	.0	.0	.3	.0	.0	.0	.0	.3	.0	1.7	5.3	.0	10.4	.0	82.4
NW	.2	.0	.1	.0	.0	•0	.0	.2	.0	.5	5.9	.0	6.9	1.6	84.8
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	•0	.0	.0	.0	1.4	10.2	.0	10.9	1.4	76.2
TOT PCT	8203	.1	.1	.0	.0	.0	.0	.5	.2	.6	5.8	•	8.4	1.3	83.2

TAGE 2

PERCENT	EREQUENCY	DE	WEATHER	OCCUPRENCE	RV	HOUR

									0000						
			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHENO	MENA	
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	
00603 06609 12615	.1 .6 .4	·1 ·1 ·2	.2	.0	.0	•0	.0	1.1	.2	1.2	3.6 6.4 6.2	.0	5.9 6.1 9.5	1.3 1.1 1.4	87.6 84.1 82.2
18621		•0	•	.0	.0	•0	.0	.1	•2	.4	7.1	•	12.1	1.7	78.4
TOT PCT	8427	.1	.1	.0	.0	•0	.0	.5	.2	.7	5.9		8.5	1.4	82.9

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		WI	ND SPE	ED (KN	DTSI								HOUR	(GMT)			
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	FREQ	MEAN	00	03	06	09	12	15	18	21
N NE	1.2	13.4	27.0	6.7	.2	.0		48.4	14.5	51.7	58.7	47.3	39.6	48.5	53.6	51.7	43.1
Ε	.3	1.3	.8	.1		.0		2.5	9.5	2.3	1.1	2.4	3.5	2.7	2.8	2.1	2.6
SE	.1	.5	.2			.0		. 8	8.6	.3	.0	.6	1.2	1.3	.7	.9	.7
S	.3	.7	.2			.0		1.2	6.9	1.0	.4	1.1	1.2	1.3	.9	1.3	1.6
SW	.3	.8	.2		.0	.0		1.2	7.3	1.3	.7	1.4	.8	1.1	.5	1.3	1.6
W	.3	1.6	.4		.0	.0		2.3	7.4	2.5	1.5	2.1	2.1	2.2	1.3	2.5	2.9
NW	.5	4.5	3.3	.3	.0	.0		8.6	10.5	8.5	7.7	8.5	7.8	7.8	13.0	9.6	9.2
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	2.0							2.0	.0	2.3	3.3	2.0	2.4	1.7	.0	1.9	1.6
TOT OBS	861	4986	7673	1708	39	0	15267		13.2	2981	182	2894	1384	3196	190	3073	1367
TOT PCT	5.6	32.7	50.3	11.2	.3	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WND DIR	0-6	7-16	SPEED 17-27	(KNDTS) 28-40	41+	TOTAL ORS	PCT	MEAN SPD	00	06 09	12 15	18
N NE	5.5	24.0	17.4	1.5			48.4	14.5	52.1	44.8	48.7	49.1
	3.7	17.3	11.2	.7	.0		33.0	14.0	30.0	36.9	33.1	31.2
E	.9	1.3	.2		.0		2.5	9.5	2.2	2.8	2.7	2.3
SE	.4	.3	.1		.0		.8	8.6	.3	.8	1.2	.8
5	.7	.4	.1		.0		1.2	6.9	.9	1.1	1.3	1.4
SW	.6	.5	.1	.0	.0		1.2	7.3	1.2	1.2	1.1	1.4
W	1.2	1.1	.1	.0	.0		2.3	7.4	2.4	2.1	2.1	2.6
NW	2.3	5.0	1.2	.1	.0		8.6	10.5	8.5	8.2	8.1	9.5
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	2.0						2.0	.0	2.3	2.2	1.6	1.8
TOT DBS	2649	7634	4630	349	5	15267		13.2	3163	4278	3386	4440
TOT PCT	17.4	50.0	30.3	2.3			100.0			100.0	100.0	100.0

PERIOD: (PRIMARY) 1922-1973 TABLE 4 AREA 0006 CAPE BLANC 20.4N 18.0W

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

WIND SPEED (KNOTS) PCT TOTAL 0BS

00603 2.3 3.3 32.0 50.5 11.6 .3 .0 13.3 100.0 3163 06609 2.2 3.8 34.3 48.6 10.8 .3 .0 12.9 100.0 4278 12615 1.6 3.9 31.3 51.0 11.8 .3 .0 12.9 100.0 3266 18621 1.8 3.6 32.6 51.1 10.7 .2 .0 13.2 100.0 3366 18621 1.8 3.6 32.6 51.1 10.7 .2 .0 13.2 100.0 4440 TOT 300 561 4966 7673 1708 39 0 13.2 15267 PCT 2.0 3.7 32.7 50.3 11.2 .3 .0 100.0

TABLE 5 TABLE 6 PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8)
AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION 5-7 8 & TOTAL CLOUD OBSCO OBS COVER WND DIR 0-2 150 299 .8 45.9 .6 17.8 .1 1.2 .0 .5 * .8 * .6 * 1.7 .2 6.3 .0 .0 * 1.7 115 5067 1.7 76.6 NE E SE SW NW VAR CALM TOT DBS TOT PCT 2.6 3.1 3.7 3.3 3.0 4.0 4.0 3.5 .0 1.7 2.8 * .0 .0 .0 .0 .0 .0 .0 3.5 2.2 .2 * * * .2 .8 .0 * 461 7.0 1.3 .8 .1 .0 * * * .3 .0 .0 173 2.6 .5 .2 .0 * .0 .0 * .1 .0 * 54 .8 .5 .2 * .0 .1 .1 .0 .0 58 .9 .2 .1 .0 .0 .0 .1 .0 .0 29 .4 1.3 1.1 * * * * * * 206 3.1 3.8 1.6 .1 .1 .1 .6 .0 * 34.5 12.8 .7 .3 .6 .3 .8 4.0 .0 1.4 3662 55.3 7.0 3.2 .3 .1 .1 .3 1.3 .0 .2 837 12.6 9.9 5.5 .4 .2 .2 .6 2.3 .0 .1 1290 19.5

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS DCCURRENCE
OF CEILING MEIGHT (NH)4/8) AND YSBY (NH)

				VSBY (NH	1)			
CEILING	= DR	• DR	- DR	. OR	- nR	. OR	. OR	- DR
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
= DR >6500	1.1	2.2	2.6	2.6	2.6	2.6	2.6	2.0
= DR >5000	1.5	2.9	3.4	3.4	3.4	3.4	3.4	3.4
= OR >3500	3.0	5.4	6.0	6.0	6.0	6.0	6.0	6.0
= DR >2000	6.2	11.1	12.3	12.4	12.4	12.4	12.4	12.4
- OR >1000	10.0	17.8	19.2	19.3	19.3	19.3	19.3	19.3
= OR >600	11.5	20.7	22.3	22.4	22.4	22.4	22.4	22.4
= OR >300	11.7	21.0	22.7	22.8	22.8	22.8	22.8	22.8
- OR >150	11.7	21.1	22.8	22.9	22.9	22.9	22.9	22.9
. DR > 0	11.7	21.2	23.1	23.2	23.2	23.2	23.3	23.3
TOTAL	791	1429	1554	1562	1564	1564	1567	1567

TOTAL NUMBER OF OBS: 6736 PCT FREQ NH 45/8: 76.7

TABLE 7A
PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 0BSCO 0BS 46.6 9.7 7.6 6.0 5.8 4.4 4.9 5.7 9.1 .3 7088

AUGUST

PERIOD: (PRIMARY) 1922-1973 (UVER-ALL) 1854-1973

TABLE 8

AREA 0006 CAPE BLANC 20.4N 18.0W

		P	ERCENT	PRECI	PITAT	DO DIRE	TION TH VAR	YING V	ALUES	F VIS	IBILI	URRENC	E OF
VSBY		N	NE	F	SE	5	SW		NW	VAR	CALM	PCT	TOTAL
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	NO PCP		.0	.0	.0	.0		.0		.0		.1	
	TOT &		.0	.0	.0	.0		.0		.0	*	.1	
	PCP	.0	.0	.0	.0	.0	.0	.0		.0	.0		
1/2<1		1.0	.7	:1		.1	.1	.1	.2	.0	*	2.3	
	101 %	1.0	.7	.1		. 1	.1	. 1	.2	.0		2.3	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	NO PCP	.9	.6				.1	.1	.1	.0		1.8	
	TOT %	.9	.6				.1	.1	.1	.0		1.8	
	PCP			:0		.0	.0			.0	.0		
2<5	NO PCP	3.9	1.4	. 1	.1		.1	.1	.6	.0	.2	6.5	
	TOT \$	3.9	1.4	.1	.1		.1	.1	.6	.0	• 2	6.6	
	PCP	.1	.1	.1				.0		.0	.0	.3	
5<10	NO PCP	23.2	10.2	:7	.2	.3	.3	.9	3.7	.0	.6	40.2	
	TOT %	23.2	10.3	.8	.3	.4	.4	.9	3.7	.0	.6	40.5	
1000	PCP		.1		.0	:0		.0	.0	.0	.0	.1	
10+	NO PCP	27.4	12,5	.9	.5	.7 .7	.5	1.2	4.3	.0	.8	48.7	
	TOT %	27.4	12.6	.9	.5	.7	.5	1.2	4.3	.0	.8	48.8	
	TOT OBS												8179
	TOT PCT	56.4	25.6	1.9	. 8	1.1	1.1	2.3	8.9	.0	1.8	100.0	

TABLE 9

	PERCENT FRED OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY													
VSBY	SPD	N	NE	E	SE	s	SW	W	NW	VAR	CALM	PCT	TOTAL	
(NM)	KTS												OBS	
	0-3		.0	.0	.0	.0	.0	.0	.0	.0	*	.1		
<1/2	4-10	.0		.0	.0	.0	*	.0	*	.0		*		
	11-21	*	.0	.0	*	.0		.0	.0	.0		*		
	22+	*	.0	.0	.0	.0	.0	.0	*	.0		*		
	TOT %			.0	*	.0	*	.0	*	.0	*	.1		
	0-3				.0	.0				.0	*	.1		
1/2<1	4-10	.2	.1	*	*	*	*	.1	.1	.0		.5		
	11-21	.5	.3	*	.0	.0	.0	.0	.1	.0		.9		
	22+	.1	.1	.0	.0	.0	.0	.0		.0		.2		
	TOT %	.8	.6	.1				.1	.2	.0	*	1.7		
	0-3				.0			.0		.0		.1		
1<2	4-10	.2	.2				*			.0		.6		
	11-21	.4	.3		.0	.0	*			.0		.8		
	22+	.1			*	.0	.0	.0		.0		1		
	TOT %	.8	.5						.1	.0	*	1.6		
	0-3	.1		.0					.1	.0	.3	.6		
2<5	4-10	.9	.4	.1	*		*	.1	.3	.0		2.0		
	11-21	2.1	.9	.1	.0		*		.2	.0		3.3		
	22+	.6	.3	*	*	.0	.0	.0		.0		.9		
	TOT %	3.7	1.7	.2	.1	*	.1	.2	.6	.0	.3	6.8		
	0-3	.3	.2	.1		.1	.1	.1	.2	.0	.7	1.8		
5<10	4-10	5.4	3.5	.5	.1	.1	.2	.5	1.7	.0		12.1		
	11-21	12.0	6.8	.3		.1	.1	.2	1.3	.0		20.8		
	22+	3.4	1.5						.2	.0		5.2		
	TOT %	21.2	12.0	.8	.2	.3	.4	.8	3.4	.0	.7	39.8		
	0-3	.6	.3	.1		.1	.1	.1	.2	.0	.9	2.5		
10+	4-10	6.9	4.5	.5	.2	.4	.3	. 8	2.1	.0	•	15.8		
1000000	11-21	14.8	9.0	.3	.1	.1	.1	.2	1.8	.0		26.5		
	22+	3.5	1.4						.2	.0		5.2		
	TOT \$	25.9	15.3	1.0	.4	.6	.5	1.2	4.3	.0	.9	50.0		
т	OT OBS												11109	
T	OT PCT	52.4	30.1	2.1	.7	1.0	1.1	2.2	8.5	.0	1.9	100.0		

AUGUST AREA 0006 CAPE BLANC 20.4N 18.0W PERIOD: (PRIMARY) 1922-1973 (OVER-ALL) 1854-1973 TABLE 10 PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR 3500 5000 6500 8000+ TOTAL NH <5/8 TOTAL 4999 6499 7999 12615 2.7 2.1 .7 1.4 19.5 80.5 1803 18821 .2 .2 5.5 5.3 1.2 6.3 176

0

3

TABLE 11 TABLE 12 CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8),BY HOUR PERCENT FREQUENCY VSBY (NM) BY HOUR .7 7.7 1592 00603 2537 00803 3110 4518 5651 11336 TOT 27 65 761 1196

TABLE 13 TABLE 14 PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP PERCENT FREQUENCY OF WIND DIRECTION BY TEMP 0-29 30-39 40-49 50-59 60-69 70-79 80-89 90-100 DBS FREQ TEMP F 4.2 10.0 4.3 .2 .0 1174 18.9 .0 .1 4.0 17.6 25.7 5.0 .0 3255 52.4 90/94 85/89 80/84 75/79 70/74 65/69 60/64 TOTAL PCT .0 .9 5.5 14.3 6.2 1670 26.9 2 *
29 .5
609 9.8
2094 33.7
2766 44.6
707 11.4
1 *
6208 100.0 1.8 8.0 13.9 3.2 .0 .1 1.5 5.1 2.2 .4 * .1 4.1 16.7 27.0 7.4 * .0 .1 * .0 .0 .7 .1 .6 .6 .2 .0 100 1.6 .00.000000 .0 .0 .0 .0 .0 .0 .0 .6 .00.000

PERIOD:	(PRIMARY)	1922-1973
	(DUED ALL)	1964-1070

TABLE 17

AREA 0006 CAPE BLANC 20.4N 18.0W

PCT FREQ OF AIR	TEMPERATURE (DE	G F) A	ND THE	OCCURRENCE	OF FOG	CWITHOUT	PRECIPITATION
	VS ATP-SE	A TEMP	FRATURE	DIFFERENCE	COFG !	1	

						alost auto				Market Line		
AIR-SEA	57	61	65	69	73	77	81	85	89	TOT	W	WO
THP DIF	60	64	66	72	76	80	84	88	92		FOG	FOG
20/22	.0	.0	.0		.0	.0	.0		.0	1 2	.0	
17/19	.0	.0	.0	.0	.0	.0			.0		.0	
14/16	.0	.0	.0	.0	.0	.0	.1			9	.0	.1
11/13	.0	.0	.0			.1	.2	.1	.0	38	.1	.4
9/10	.0	.0	.0		.1	.2	.2	.1	*	38	.1	.4
7/8	.0	.0	.0		.5	.7	.4	.1		140	.2	1.7
6	.0	.0	.0		.6	.5	.1	.1	.0	106	.1	1.3
5	.0	.0			1.4	.8	.4	.1		241	.3	2.9
4	.0	.0	.1	1.3	1.8	.9	.3	.1	.0	342	.5	4.1
3	.0	.0	.2		2.1	1.0	.6	.1	.0	481	.3	6.1
2	.0	.0	.7	4.2	2.7	1.3	1.0		.0	746	.7	9.2
1	.0	.0	1.2	5.9	3.5	1.7	.9		.0	990	.6	12.5
0	.0	.0	1.3	5.6	4.0	3.6	.9		.0	1157	1.1	14.3
-1	*	*	.5	3.4	4.6	3.8	.7	.0	.0	983	.5	12.5
-2	.0		.5	2.5	3.7	3.2	.4		.0	769	.6	9.6
-3	.0	. 1	.2	1.5	3.0	1.8	.2	.0	.0	503	.2	6.5
-4	.0	.1	.2	.9	2.1	1.0	.1	.0	.0	331	.3	4.1
-5	.0		.2	.9	1.7	.5		.0	.0	247	.3	3.0
-6	.0	.0	.1	. 5	.7	.2	.0	.0	.0	114	.1	1.4
-7/-8		.1	.4	.9	.6	.2	.0	.0	.0	164	.1	2.1
-9/-10	.0	.1	.2	.3	.3		.0	.0	.0	71	.2	. 8
-11/-13	.0		.2	.1		*	.0	.0	.0	34	.1	.4
-14/-16	.0		.1	.0	.0	.0	.0	.0	.0	10		.1
-17/-19	.0	.0		.0	.0	.0	.0	.0	.0	3	.0	*
TOTAL	2		456		2512		471		6		473	7047
		33		2357		1621	10.13	62		7520		
PCT	*	.4	6.1	31.3	33.4	21.6	6.3	. 8	.1	100.0	6.3	93.7

PERIOD: (DVER-ALL) 1963-1973

TABLE 18

								TAB	LE 18						
				PC	T FREQ O	F WIND	SPEED	(KTS) A	ND DIRE	CTION V	ERSUS S	EA HEIG	HTS (FT)		
HGT	1-3	4-10	11-21	N 22-33	34-47	48+	PCT		1-3	4-10	11-21	NE 22-33	34-47	48+	PCT
<1	.3	2.0	.1	.0	.0	.0	2.5		.1	.6	.1	.0	.0	.0	.8
1-2	.3	6.8	5.0	.0	.0	.0	12.1		.3	2.8	2.0	.0	.0	.0	5.1
3-4	.1	4.5	12.2	1.3	.0	.0	18.0		.0	1.9	4.6	.2	.0	.0	6.7
5-6		.8	11.0	2.3	.1	.0	14.3		.0	.5	4.9	.7		.0	6.2
7	.1	.2	4.7	2.6		.0	7.7		.0		2.1	.5	.0	.0	2.7
8-9	.0	.2	1.5	1.7	.0	.0	3.4		.0		.6	.4	.0	.0	1.0
10-11	.0	.0	.5	1.2	• • •	.0	1.7		.0	.0	.3	.3	.0	.0	.6
12	.0	.0	:1	.2		.0	.3		.0	.0	•1	.1	.0	.0	.1
17-19	.0		.0		.1	.0	.1		.0	.0	.0	:	.0	.0	.1
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0		0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
TOT PCT	.9	14.5	35.2	9.6	•2	.0	60.4		.4	5.9	14.7	2.4		•0	23.4
				E								SE			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT
<1		.1		.0	.0	.0	.2		*	.1	.0	.0	.0	.0	.2
1-2	.1	.5	.1	.0	.0	.0	.7		*	. 1		.0	.0	.0	.1
3-4	.0	.2	.1	.0	.0	.0	.4		.0	•1		.0	.0	.0	.1
5-6	.0	*	.1		.0	.0	.1		.0	.0		.0	.0	.0	
8-9	.0	.0	.1	.1	.0	.0	.2		.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0		•0	• 0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0		.0	. 0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0		.0	•0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0		.0	•0	.0	.0	•0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
TOT PCT	- 1	- 8	. 4	- 1	- 0	- 0	1 8		- 1	. 2	- 1		- 0	- 0	

PERIOD:	OVE		1963-1	073					AUGUS	T				AREA	0006 0	APE BL	ANC
PEKTUU:	(UAE)	K-ALL)	1403-1	973				TABLE	18 (CONT)				AREA	20.4		.OW
				PC	T FREO I	F WIND	SPEED	(KTS)	AND I	DIREC	TION	VERSUS	SEA HEIG	HTS (FT)			
				s									SW				
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1	1-3	4-10		22-33	34-47	48+	PCT	
<1	.1	. 2		.0	.0	.0	.3			.1		.0	.0	.0	.0	.1	
1-2		• 2	.0	.0	.0	.0				*	• 2		.0	.0	.0	.3	
3-4	.0		.1	.0	.0	.0	.1			.0	• 1	.1	.0	.0	.0	.1	
5-6	.0				.0	.0	.1			.0	.0	.1		.0	.0	*	
8-9	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0		
10-11	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0		
12	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
TOT PST	.1	.4	.1		.0	.0	.7			. 1	.4	.2	•	.0	.0	.7	
				W									NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1	1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.2	.2	.0	.0	.0	.0	.4			.3	.5	.1	.0	.0	.0	. 8	
1-2		.7		.0	.0	.0	. 8			. 1	2.3			.0	.0	3.5	
3-4	.0	.3	.3		.0	.0	.6			.0	. 8		.1	.0	.0	2.1	
5-6	.0	.1	.2		.0	.0	.3			.0	.1		.1	.0	•0	1.2	
7	.0	.0			.0	.0	*			*	.0		- 1	.0	.0	.4	
8-9	.0	.0	.0	.0	.0	.0	.0			.0	.0		.1	.0	•0	.1	
10-11	.0	•0	.0	.0	.0	.0	.0			.0	.0		:	.0	•0	.1	
12	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	:	
13-16	.0	•0	.0	.0	.0	.0	.0			.0	.0			.0	.0		
17-19	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
TOT PCT	• 2	1.3	.5	.1	.0	.0	2.0			.4	3.7		.4	•0	.0	8.3	97.6

0 3

	WIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	4.1	3.7	.3	.0	.0	.0	8.1	003
1-2		13.6	8.2	.0	.0	.0	22.9	
	1.1						28.1	
3-4	• 1	7.9	18.5	1.6	.0	.0		
5-6	*	1.5	17.2	3.2	.1	.0	22.1	
7	• 1	.2	7.1	3.4	*	.0	10.8	
8-9	.0	. 2	2.2	2.1	.0	.0	4.5	
10-11	• 0	.0	. 8	1.6	.0	.0	2.4	
12	•0	.0	.2	.3	*	.0	.5	
13-16	•0	.0	.1	.2	*	.0	.4	
17-19	.0		.0	*	.1	.0	.2	
20-22	•0	.0	.0	.0	.0	.0	.0	
23-25	•0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	•0	.0	.0	.0	.0	.0	.0	
41-48	•0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86		.0	.0	.0	.0	.0	.0	
87+	•0					.0	.0	
0/+	• 0	.0	.0	.0	.0	.0	.0	4528
TOT PCT	5.4	27.3	54.5	12.5	.3	.0	100.0	4320

PERIOD: (PRIMARY) 1923-1973 (OVER-ALL) 1855-1973

TABLE 1

AREA 0006 CAPE BLANC 20.4N 18.0W

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

					-		-								
			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST BLWG SNUW	NO SIG WEA
N NE	.2	•1	:3	:0	.0	.0	.0	:4	.3	1.3	5.1	.2	7.3	1.2	84.3
	.4		. 3		.0	.0	.0		.3	1.4	4.0		6.0	.9	86.5
E	5.3	2.0	.5	.0	.0	.0	.0	7.8	2.5	3.3	2.5	.0	5.3	.0	80.4
SE	5.3	.5	.9	.0	.0	.0	.0	5.8	.7	1.4	.5	.0	7.9	.9	83.3
S	1.9	1.1	.0	.0	.0	.0	.0	3.0	1.9	2.2	4.7	.0	3.6	.0	84.6
SW	1.4	.0	.0	.0	.0	.0	.0	1.4	1.8	.0	3.2	.0	8.1	.0	85.6
W	.7	1.0	.0	.0	.0	• 0	.0	1.7	.7	.5	1.3	.0	11.1	.0	84.7
NW	.2	.3	.0	.0	.0	.0	.0	.5	.1	1.8	4.0	.0	8.2	1.2	84.1
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.6	.0	.0	.0	.0	.6	.0	.6	11.0	.0	3.2		83.9
TOT PCT	7695	.2	.2	.0	.0	.0	.0	.9	.4	1.4	4.6	.1	6.8	1.0	84.9

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

											-				
				RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHENO	MENA	
HOUR (GMT)	RAIN	KAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HATL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WU PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNDW	
00&03 06&09 12&15 18&21	.8 .7 .2 .3	.4	.2	.0	.0	•0 •0 •0	.0	1.4 1.2 .6 .5	.3 .9 .1	3.1 2.4 *	3.0 4.2 5.6 5.8	•1 •2 •2	5.2 4.8 8.6 8.8	.8 .9 1.2 1.2	86.4 85.5 83.7 83.3
TOT PCT	.5	•2	.2	.0	.0	•0	.0	.9	.4	1.4	4.7	.1	6.9	1.0	84.7

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WND DIR	0-3			2Z-33		48+	TOTAL	PCT FREQ	MEAN SPD	00	03	06	HOUR 09	(GMT) 12	15	18	21
N NE	1.1	13.4	24.3	4.6	:1	.0		43.5	13.7	46.1 38.4	47.9	42.6	34.0	42.4	57.4	47.9	40.2
E	.3	1.6	1.4	. 2	*	.0		3.5	10.8	2.7	3.4	3.5	5.2	3.8	.7	3.2	3.7
SE	. 2	.7	.4	.1		.0		1.4	10.3	.9	2.6	1.0	2.1	1.9	3.4	1.3	1.0
5	.3	.6	.2	*	.0	.0		1.1	7.9	1.0	.3	1.0	.9	1.2	.5	1.3	.9
SW	.1	.5	.1			.0		. 8	7.9	.9	.2	.6	.4	.6	. 8	1.1	1.0
×	. 4	2.1	. 2		.0	.0		1.7	6.9	1.6	1.9	1.5	1.5	1.6	2.5	2.3	1.9
NW	.4	3.2	1.8	.1		.0		5.6	9.7	5.8	7.9	5.6	4.0	5.2	4.5	6.3	5.5
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.6							1.8	.0	2.5	2.7	1.9	.7	1.6	.0	1.8	1.9
TOT DBS	775	4513	7510	1392	34	0	14224		13.1	2781	146	2828	1241	3009	149	2841	1229
TOT PCT	5.4	31.7	52.8	9.8	.2	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WND DIR	0-6	7-16	SPEED 17-27	(KNOTS) 28-40	41+	TOTAL OSS	PCT FREQ	MEAN SPD	00	06 09	12 15	18
N NE	5.1	23.9	13.8	.8	.0		43.5	13.7	46.2	39.9	43.1	45.6
E	1.0	1.9	.6	*	.0		3.5	10.8	2.7	4.0	3.6	3.4
SE	.5	.6	.2	.1			1.4	10.3	1.0	1.3	2.0	1.2
S	.6	.4	.1	*	.0		1.1	7.9	1.0	1.0	1.2	1.2
SW	.4	.3	.1	*	*		. 8	7.9	.9	.5	.6	1.1
W	1.0	.7		*	.0		1.7	6.9	1.6	1.5	1.6	2.2
NW	1.6	3.4	.6	*	.0		5.6	9.7	5.9	5.1	5.2	6.1
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	1.8						1.8	.0	2.5	1.6	1.5	1.8
TOT OBS	2243	7492	4250	235	4	14224		13.1	2927	4069	3158	4070
TOT PCT	15.8	52.7	29.9	1.7	*		100.0		100.0	100.0	100.0	100.0

SEPTEMBER

PERIOD: (PRIMARY) 1923-1973 (OVER-ALL) 1855-1973

TABLE 4

AREA 0006 CAPE BLANC 20.4N 18.0W

PERCENTAGE	CREALENCY	OF	WIND	COCCO	av	CHALLO	/ CHT

				WIND	SPEED (KNOTS)			PCT	TOTAL
HOUR	CALM	1-3	4-10	11-21		34-47	48+	MEAN	FREQ	085
00803	2.5	2.9	31.5	52.6	10.2	.3	.0	13.3	100.0	2927
90300	1.6	3.3	32.1	52.6	10.1	.2	.0	13.1	100.0	4069
12615	1.5	4.0	32.6	51.9	9.8	.3	.0	13.0	100.0	3158
18821	1.8	4.2	30.0	53.8	9.1	.1	.0	12.9	100.0	4070
TOT	259	516	4513	7510	1392	34	0	13.1		14224
PCT	1.8	3.6	31.7	52.8	9.8	.2	.0		100.0	

TABLE 5

P	CT FRE			D DIREC		(EIGHTHS)							CEILIN NH <5/					
WND DIR	0-2	3-4	5-7	8 & DBSCD	TOTAL	COVER COVER	000 149	150 299	300 599	600 999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL
N	33.8	5.8	8.4	4.6		2.2	.3	*	.1	.6	2.2	2.3	1.0	.5	.5	1.3	43.7	
NE	18.5	3.7	5.9	3.0		2.6	.2	.0	.1	.5	1.9	1.3	.7	.3	.3	. 8	25.0	
E	1.0	.3	.7	.4		4.0	.0	.0	.0	.2	.2	.3	. 1	.0	.0	.1	1.5	
SE	.4	. 2	.3	.4		4.7		.0		.1	.1	.1	*		*	*	.8	
S	.5	.1	.3	.2		3.6		.0	.0	*	*	.1	.0		*		.8	
SW	.4	.2	.2	.1		3.4	.0	.0	*	.1	*	*	*		.0		.7	
W	.7	. 4	.6	.3		3.8		.0	.0	.1	.2	.1	.1		*	.1	1.4	
NW	3.9	.7	1.3	.5		2.5		*	.0	.2	.3	.3	.2	.1	.1	.2	5.1	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	1.4	.2	.3	.2		2.3		.0	.0	*	.1	.2	.0				1.6	
TOT OBS	3810	726	1139	612	6287	2.5	40	2	18	107	328	301	135	66	58	160	5072	6287
TOT PCT	60.6	11.5	18.1	9.7	100.0	-	.6		.3	1.7	5.2	4.8	2.1	1.0	.9	2.5	80.7	100.0

CUMULATIVE PCT FREQ OF SIMULTANFOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

				VSBY (NM)			
CEILING	. OR	- DR	- DR	= DR	= DR	- OR	- DR	- DR
(FEET)	>10	>5	>5	>1	>1/2	>1/4	>50YD	>0
■ DR >6500	1.8	3.3	3.5	3.5	3.5	3.5	3.5	3.5
# DR >5000	2.4	4.3	4.6	4.6	4.6	4.6	4.6	4.6
■ DR >3500	3.7	6.2	6.7	6.7	6.7	6.7	6.7	6.7
■ DR >2000	5.8	10.1	11.4	11.4	11.4	11.4	11.5	11.5
■ OR >1000	9.1	15.1	16.5	16.6	16.6	16.6	16.7	16.7
. DR >600	9.9	16.7	18.2	18.3	18.3	18.3	18.4	18.4
■ DR >300	10.0	16.9	18.5	18.5	18.5	18.6	18.6	18.6
# DR >150	10.0	16.9	18.5	18.5	18.6	18.6	18.7	18.7
. DR > 0	10.0	17.1	18.9	18.9	19.0	19.1	19.3	19.3
TOTAL	636	1086	1204	1206	1209	1218	1229	1229

TOTAL NUMBER OF OBS: 6368 PCT FREQ NH <5/8: 80.7

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

TOTAL

0 1 2 3 4 5 6 7 8 GBSCO GBS 51.3 9.9 7.4 6.0 5.0 3.5 5.0 4.4 6.8 .6 6704

SEPTEMBER

PERIOD: (PRIMARY) 1923-1973 (OVER-ALL) 1855-1973

TABLE 8

AREA 0006 CAPE BLANC 20.4N 18.0W

		P	ERCENT	PREC	PITAT	DIRECTION WIT	TION H VAR	YING V	ALUES	OF VIS	IBILI	URRENC	E OF
VSBY		N	NE	E	SE	s	SW	W	NW	VAR	CALM	PCT	TOTAL
	PCP		.0	.0	.0	.0	.0	.0	.0	.0	.0		
<1/2	NO PCP	.1	.1		.0	.0	.0	.0		.0		.3	
	TOT \$.1	.1		.0	.0	.0	.0		.0		.3	
	PCP	.0	.0	.0		.0	.0	.0	.0	.0	.0		
1/2<1		.7	.4				*		.1	.0	.0	1.2	
	TOT %	.7	.4			*			.1	.0	.0	1.2	
	PCP	.0		.0	.0	.0	.0	.0	.0	.0	.0		
1<2	NO PCP	.6	.4	.1					.1	.0		1.2	
	TOT %	.6	.5	.1		•	*	•	.1	.0		1.2	
	PCP	.1					.0 .1			.0	.0	.2	
2<5	NO PCP	3.2	1.4		*		.1	.1	.5	.0	.3	5.7	
	TOT %	3.3	1.5	. 1			.1	1	.5	•0	.3	5.8	
	PCP	.1	.1	.1						.0		.4	
5<10	NO PCP	18.6	10.5	.8	.5	.4	.4	.7	2.3	.0	.6	34.7	
	TOT %	18.6	10.6	.9	.5	.5	.4	.7	2.3	.0	.6	35.1	
	PCP	.1	.1	.1		.0	.0	.0	*	.0	.0	3	
10+	NO PCP	27.8	19.1	1.5	. 8	.6	.5	1.1	3.6	.0	1.1	56.0	
	TOT %	27.8	19.2	1.5	.8	.6	.5	1.1	3.6	•0	1.1	56.3	
	TOT OBS												7686
	TOT PCT	51.1	32.2	2.6	1.4	1.2	.9	2.0	6.6	.0	2.0	100.0	

TABLE 9

						DF WIN					ED		
VSBY (NM)	SPD	N	NE	E	SE	s	SH	W	NW	VAR	CALM	PCT	TOTAL
	0-3	.0	.0	.0	.0	*	.0	.0	.0	.0		*	
<1/2	4-10	.1		.0	.0	.0	.0	*	*	.0		.1	
	11-21	*	.1		.0	.0	.0	.0	*	.0		.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	• 1	.1	*	.0	*	.0	*	*	.0	*	.3	
	0-3	*			.0		. *	.0	.0	.0	.0	*	
1/2<1	4-10	.1	.1		*	*	.0	*	*	.0		.3	
	11-21	.3	.1		*	*	*	.0	*	.0		.4	
	22+	.1		*	.0	.0	.0	.0	*	.0		.1	
	TOT %	.5	.3		*	*			.1	.0	.0	.9	
	0-3				*		.0	*	*	.0		.1	
1<2	4-10	.2	.1	*	*	*		*	*	.0		.4	
	11-21	.2	.3	*	.0	.0	.0	.0	*	.0		.6	
	22+	.1	*	.0	.0	.0	.0	.0	.0	.0		.1	
	TOT %	.5	.4	.1	*	*	*	.1	.1	.0	*	1.2	
-	0-3	.1	.1				.0		:1	.0	.3	.6	
2<5	4-10	.9	.4	.1	*	*	.1	.1		.0		1.9	
	11-21	1.4	1.1	.1	*	*		.0	.1	.0		2.7	
	22+	.4	.2	.0	*		.0	.0	*	.0		.6	
	TOT %	2.8	1.8	• 2	•1	.1	.1	.1	.5	•0	.3	5.8	
	0-3	.4	.3	.1	.1	.1	.1	.1	.2	.0	.5	1.9	
5<10	4-10	5.1	2.8	.5	.2	.2	.2	.4	1.3	.0		10.7	
	11-21	9.6	7.1	.4	.1	.1	.1	.1	.7	.0		18.2	
	22+	1.7	1.4	*	•1		*	.0	*	.0		3.3	
	TOT %	16.8	11.6	1.0	.5	.4	.3	.7	2.2	.0	.5	34.1	
	0-3	.7	.5	.2		.1	.1	.2	.2	.0	1.0	3.0	
10+	4-10	8.2	6.2	1.0	.5	.4	.3	.6	1.9	.0		19.1	
	11-21	15.2	13.3	.6	.2	+2	.1	.2	1.1	.0		31.0	
	22+	2.4	2.1	.1	*	*	.0	. *	.1	.0		4.7	
	TOT %	26.6	22.1	1.8	. 8	.6	.4	1.0	3.3	.0	1.0	57.7	
1	TOT DBS												10480
1	TOT PCT	47.2	36.3	3.1	1.4	1.2	. 9	1.8	6-1	.0	1.9	100.0	

SEPTEMBER

PERIOD: (PRIMARY) 1923-1973 (OVER-ALL) 1855-1973

TABLE 10

AREA 0006 CAPE BLANC 20.4N 18.0W

3

PERCENT FREQUENCY OF CEILING HFIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

000 150 300 600 1000 2000 3500 5000 6500 8000+

(GMT)	149	150 299	300 599	999	1999	2000 3499	3500 4999	5000	7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL
00403	.8	.0	.3	1.6	4.7	3.4	1.9	.8	.5	1.9	15.7	84.3	1543
06609	.8	•0	.3	2.2	6.0	5.5	1.6	1.2	.9	2.9	21.4	78.6	1536
12615	.6	.1	.3	1.4	4.9	5.7	2.4	1.1	.8	2.5	19.8	80.2	1800
18621	.4	.0	.3	1.5	4.6	4.0	2.3	1.0	1.3	2.8	18.1	81.9	1692
TOT	41	2	18	108	331	307	135	69	58	166	1235 18.8	5336 81.2	6571

TARLE 11

T.O. C 1

	THOSE										IADEL	••		
		PERCENT	FREQUEN	ICY VSBY	(NM)	BY HOUR		CUMULAT	IVE PCT	FREQ	OF RAN	GES UF NH >4/8	VSBY (NM)	AND/OR
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TUTAL
00603	.3	.7	.6	4.1	33.7	69.6	2347	E0300	.7	1.2	6.0	12.9	81.0	1477
90300	.4	1.3	1.0	4.8	34.1	58.5	2848	90390	.9	1.4	8.3	17.5	74.2	1476
12815	.4	.7	1.2	8.3	34.6	54.8	2561	12615	.6	1.2	11.0	15.4	73.5	1761
18821	•2	1.4	1.7	5.8	33.9	57.0	2888	18821	.4	.9	9.4	14.5	76.1	1654
TDT PCT	32	111	123	614 5.8	3629 34.1	6135 57.6	10644	TOT PCT	40	75 1.2	561 8.8	961 15.1	4846 76.1	6368

TABLE 14

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL
60300	93	82	81	74	68	64	57	73.9	2962
90300	92	82	81	74	68	64	59	73.9	4085
12615	96	87	84	77	70	66	63	76.7	3099
18821	96	86	83	76	70	68	60	76.4	4021
TOT	96	86	82	75	68	65	57	75.2	14167

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
00603	.0	.0	1.3	16.5	52.2	30.0	85	1376
90360	.0	.2	1.0	14.1	51.3	33.4	86	1459
12615	.0	.4	4.3	39.0	45.2	11.1	81	1427
18621	.0	.2	3.1	31.2	50.0	15.5	82	1490
TOT	0	12	139	1454	2856	1291	84	5752

S				

PERIOD: (PRIMARY) 1923-1973 (OVER-ALL) 1855-1973

TABLE 17

AREA 0006 CAPE BLANC 20.4N 18.0W

PCT FREQ OF AIR	TEMPERATURE (DEG	F) AND THE	OCCURRENCE OF	FOG (WITHOUT	PRECIPITATION)
			F DIEEEDENCE IN		

						V-36W		. NA . ONE		· ENEMCE			
AIR-SEA	57 60	61	65	69 72	73 76	77 80	81	85 88	92	>92	тот	FOG	FOG
23/25	.0	.0	.0	.0	.0	.0	.0	.0	.0		2 2 7	.0	
20/22	.0	.0	.0	.0	.0	.0		.0	.0		2	.0	
17/19	.0	.0	.0			.0	.0		.1	.0		.0	.1
14/16	.0	.0	.0	.0		.0	.1		.0	.0	11	.0	.2
11/13	.0	.0	.0	.0	.0	.2	.3	.1	.0		43	*	.6
9/10	.0	.0	.0	.0		.5	.3		.1	.0	66	.1	.9
7/8	.0	.0	.0	.1	.7	.9	.4	.1	. 1	.0	159	.2	2.1
6	.0	.0	.0	.1	.7	.6	.2	.1		.0	118	.1	1.6
5	.0	.0	.0	.4	1.9	. 8	.4	.2		.0	254	.4	3.2
4	.0	.0		1.4	1.8	1.1	.5	.2	.0	.0	347	.5	4.5
3	.0	.0	.1	2.2	2.1	. 8	.5	.2	.0	.0	413	.4	5.5
2	.0	.0	.3	4.4	2.3	1.1	1.2	.1	.0	.0	660	.7	8.7
1	.0	.0	.9	6.0	3.7	2.3	1.7	.1	.0	.0	1028	.6	14.1
0	.0	.0	1.2	4.7	3.5	3.0	1.9			.0	1005	.8	13.6
-1	.0	.0	.5	3.9	3.6	3.2	1.2	.0	.0	.0	876	.5	12.0
-2	.0	.0	.7	2.1	2.7	3.1	.5	.0	.0	.0	633	.3	8.7
-3	.0	.0	.6	1.3	2.3	2.4	.1	.0	.0	.0	471	.1	6.6
-4	.0	.0	.6	1.1	1.7	1.1	.1	.0	.0	.0	328	.1	4.5
-5	.0	.2	.7	.7	1.3	.6	.1	.0	.0	.0	257	.1	3.6
-6	.0	.3	.2	.3	.6	.3		.0	.0	.0	117		1.6
-7/-8	.0	.2	.4	.5	.4	.2		-0	.0	.0	116	.1	1.6
-9/-10	*	.3	.2	.3	.2		.0	.0	.0	.0	70	.1	.9
-11/-13	.0	.1	.1	.1		.0	.0	.0	.0	.0	29	*	.4
-14/-16	.1	.1			.0	.0	.0	.0	.0	.0	11	.0	.2
-17/-19	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	.0	
TOTAL	8		451		2077		669		18			356	6669
		79		2071		1555		92		5	7025		
PCT	.1	1.1	6.4	29.5	29.6	22.1	9.5	1.3	.3	.1	100.0	5.1	94.9

PERIOD: (OVER-ALL) 1963-1973

TABLE 18

				PC	T FREO	OF KIND	SPEED	(KTS)	AND DIRE	CTTON V	ERSUS S	EA HEIG	SHTS (FT		
				N								NE			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.4	2.1	.3	.0	.0	.0	2.8		.3	.9	.1	.0	.0	.0	1.3
1-2	.3	8.4	5.2	.0	.0	.0	13.0		.2	3.7	3.0	.0	.0	.0	6.9
3-4	.1	4.9	11.1	.6	.0	.0	16.7		.1	1.9	5.8	.5	.0	.0	8.4
5-6	.0	1.2	8.9	1.2		.0	11.3		.0	.7	5.2	.9		.0	6.8
7	.0	.4	4.4	1.5	.0	.0	6.3		.0	.2	3.2	.9	.0	.0	4.3
8-9	.0		1.4	.9	.0	.0	2.4		.0	*	.4	.5	*	.0	1.0
10-11	.0		.3	1.0	•1	.0	1.4		.0	*	.2	.3	*	.0	.5
12	.0	.0	.2	.2	.0	.0	.4		.0	.0	*	.2	.0	.0	.2
13-16	.0	.0	.1	.2	.0	.0	.2		.0	.0	.1	.1		.0	.2
17-19	.0	.0	.0	*	•0	.0	*		.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0		•0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0		•0	•0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
TOT PCT	.8	17.1	31.9	5.6	•1	.0	55.5		.7	7.6	18.0	3.4	•1	•0	29.7
				E								SE			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.1		.0	.0	.0	.2			.1		.0	.0	.0	.1
1-2	.0	.4	.2	.0	.0	.0	.6		*	.3	.1	.0	.0	.0	.5
3-4	.0	.2	.4		.0	.0	.6		.0	.1		*	.0	.0	.1
5-6	.0	.1	.2	.0	.0	.0	.3		.0		.1	.0	*	.0	.1
7	.0		.1	.0	.0	.0	.1		.0	.0	.1	.1	.0	.0	. 2
8-9	.0	.0		.0	.0	.0	*		.0	.0	.0			.0	
10-11	.0	.0	.0	*	.0	.0			.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0		.0	
20-22	.0	.0	.0	.0	.0	.0	.0		•0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	0	.0	.0		•0	• 0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	•0	•0	.0
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	• 0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	•0	.0	.0		.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	• 0	.0	.0	.0		•0	.0	.0	.0	•0	.0	.0
87+	.0	.0	.0	.0	•0	.0	.0		.0	.0	.0	.0	.0	.0	.0
TOT PCT	.1	.8	1.0		.0	.0	1.9		.1	.5	.3	.1	.1	.0	1.0

PERIOD:	. nve		1042						SEPTEMB	ER					0006		****
PEKTUD:	(UAE)	K-ALL!	1963-1	1973				TABLE	18 (00	NT)				AKEA	20.		.OW
				PC	T FREO	OF WIND	SPEED	(KTS)	AND DI	RECTIO	VER:	sus :	SEA HEIG	HTS (FT)		
				s									SW				
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-			1-21	22-33	34-47	48+	PCT	
<1		.2	.0	.0	.0	.0	.2			1	.2	.0	.0	.0	.0	.2	
1-2	*	.3	.1	.0	.0	.0	.5				2	:	.0	.0	.0	.3	
5-6	.0	•1	:1	.0	.0	.0	.1				1	:	.0	.0	.0	• 1	
7	.0	.0			.0						0		.0	.0	.0	:	
8-9	.0	.0	.0	.0	.0	.0	.0				.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0				.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0				0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0				.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0				.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0				0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0				.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0				0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0				0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0				.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0				0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0				0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0				0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0				0	.0	.0	.0	.0	.0	
TOT PCT	.1	.6	.3	.0	.0	.0	1.0				4	.1	•0	.0	.0	.6	
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-	3 4-	0 11	1-21	22-33	34-47	48+	PCT	PCT
<1	.2	.2	.0	.0	.0	.0					6		.0	.0	.0	.8	
1-2	.1	.5	.1	.0	.0	.0	:7				.7	.4	.0	.0	.0	2.2	
3-4	.0	.1	.1	.0	.0	.0	.2			1 1	.0	.9		.0	.0	2.0	
5-6	.0		.1	.0	.0	.0	.1			0	1	.6	.0	.0	.0	.7	
7	.0	.0		.0	.0	.0				0	0	.1		.0	.0	.2	
8-9	.0	.0	.0	.0	.0	.0	.0			0	.0		.0	.0	.0		
10-11	.0	.0	.0	.0	.0	.0	.0			0	.0			.0	.0		
12	.0	.0	.0	.0	.0	.0	.0				.0		.0	.0	.0		
13-16	.0	.0	.0	.0	•0	.0	.0				.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0				0	.0		.0	.0		
20-22	.0	.0	.0	.0	.0	.0	.0				0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0				0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0				0	.0	•0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0				.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0				0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0				0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	•0	.0				0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0				0	.0	.0	.0	.0	.0	
TOT PCT	.0	.0	.3	.0	.0	.0	0				.0	2.1	.1	.0	.0	6.0	97.2
iui rei	.4		.,	.0	.0	.0	1.5			, ,		2.1	.,	.0	.0	6.0	71.2

	MIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	4.7	4.4	.4	.0	.0	.0	9.6	
1-2	1.1	15.6	9.0	.0	.0	.0	25.7	
3-4	• 2	8.3	18.3	1.1	.0	.0	27.9	
5-6	.0	2.1	15.0	2.1	.1	.0	19.3	
7	•0	.6	7.9	2.5	.0	.0	10.9	
8-9	.0	.1	1.9			.0	3.5	
10-11	•0		.5	1.3	.1	.0	2.0	
12	.0	.0	.3	.4	.0	.0	.6	
13-16	.0	.0	.2	.2		.0	.5	
17-19	•0	.0	.0	*		.0	.1	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	•0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	•0	.0	.0	.0	.0	.0	.0	
61-70	•0	.0	.0	.0	.0	.0	.0	
71-86	•0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
	••		••					4530
TOT PCT	6.0	31.1	53.5	9.1	.3	.0	100.0	

PERIOD: (PRIMARY) 1922-1973 (DVER-ALL) 1854-1973

TABLE 1

AREA 0006 CAPE BLANC 20.4N 18.1W

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA		
WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	FDG WO PCPN	FDG WD PCPN PAST HR	SMOKE	SPRAY BLWG DU BLWG SN	ST S	ND SIG WEA
N NE	.2	.2	:1	.0	.0	•0	.0	.5	:3	:7	2.5	.0	2.6	.5	93	2.9
E	1.8	.8	.0	.0	.0	.0	.0	2.7	.4	1.6	1.4	.0	3.0			0.9
SE	8.7	3.1	.0	.0	.0	.0	.0	11.8	2.8	3.5	1.7	.0	3.1	.0	77	7.1
S	.0	1.0	2.8	.0	.0	.0	.0	3.8	.0	2.1	1.0	.0	2.4	.0	90	0.6
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.3	.0	.5	.0	96	6.2
W	1.1	.0	.6	.0	.0	.0	.0	1.7	.0	.6	4.0	.0	5.4	.0	81	8.3
NW	.7	.0	.5	.0	.0	.0	.0	.9	.8	1.7	1.6	.0	4.7	.8	90	0.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.3	1.0	2.3	.0	3.3	.7	92	2.4
TOT PCT	8253	.2	.2	.0	.0	.0	.0	.7	.3	.8	2.1	.0	2.7	.4	97	2,8

TABLE 2

					P	ERCENT	FREQUE	NCY OF WE	ATHER OCCUP	KENCE	BY HUL	IK			
				RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HATL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR		SPRAY BLWG DUST BLWG SNOW	
00603 06609 12615 18621	.2 .5 .3	·1 ·4 ·3 ·2	.1 .1 .2 .2	.0	.0		.0	1:0	.4	1.2	1.8 2.4 1.8 2.6	.0 .0 .0	1.9 2.0 3.6 3.1		93.9 91.9 93.2 92.3
TUT PCT TUT DBS:	8478	•2	.2	.0	.0	•0	•0	.7	•3	.8	2.1	•0	2.7	.4	92.8

TABLE

				FERC	ENTAGE	FREMOR	NC1 OF	M. 140	THECTIL	. Of 3F	CED AN		301				
		WI	ND SPE	ED (KN	OTS)								HOUR	(GMT)			
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	DBS	FREG	SPD	00	03	06	09	12	15	18	21
N NE	1.5	16.6				.0		43.1	12.2	47.0	50.3 36.2	42.4	36.2			47.7	40.0
E	.3	1.8	1.8	.3	*	.0		4.1	11.8	3.3	1.0	3.7	5.3	5.2	6.0	3.6	4.8
SE	.1	.5	.2	*	*	.0		.9	9.2	.7	.5	.7	.7	1.5	1.0	.7	.7
S	.2	.3	.2		*	.0		.8	8.9	.9	1.1	.8	.5	1.0	.9	.6	.5
SW	.2	.4	.1		.0	.0		.7	6.9	.7	.1	.7	1.0	.6	.6	.7	.5
*	.3	. 8	.1	.0				1.1	6.1	1.1	1.0	1.2	1.1	.8	.5	1.3	1.6
NW	.5	2.5	.8			.0		3.9	7.9	4.4	4.9	4.3	2.8	2.7	3.3	4.2	5.1
VAR	0	.0	.0	.0		.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	2.6							2.6	.0	2.8	4.9	3.1	.9	2.7	.5	3.1	1.7
TUT OBS	1044	5932	7564	896	15	0	15451		11.7	3045	183	3011	1381	3184	197	3048	1402
TOT PCT	6.8	38.4				.0		100.0			100.0	100.0	100.0		100.0	100.0	100.0

					TAB	LE 3A						
			SPEED	(KNOTS)						HOUR		
WND DIR	0-6	7-16	17-27	28-40	41+	DES	FREQ	SPD	00	06	12	21
N	7.2	25.9	9.7	.3	.0		43.1	12.2	47.2	40.5	39.7	45.2
NE	5.8	25.7	10.9	.4	.0		42.8	12.7	38.9	45.7	46.1	40.5
E	.9	2.2	1.0	.1	.0		4.1	11.8	3.1	4.2	5.2	4.0
SE	.4	.3	.1		.0		.9	9.2	.7	.7	1.4	.7
S	.4		.1		.0		.8	8.9	.9	.7	.9	.6
SW	.4	. 2			.0		.7	6.9	.7	. 8	.6	.6
NE E SE SW	.7	.3		.0	.0		1.1	6.1	1.1	1.2	. 8	1.4
NW	1.8	1.9	.2		.0		3.9	7.9	4.4	3.8	2.7	4.4
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	2.6						2.6	.0	2.9	2.4	2.6	2.6
TOT DBS	3123	8794	3402	132	0	15451		11.7	3228	4392	3381	4450
TOT PCT	20.2	56.9	22.0	.9	.0		100.0		100.0	100.0	100.0	100.0

						OCTOBER						
PRIMARY) 1922-197						TABLE 4				AREA	0006 CAPE 20.4N	BLANC 18.1W
		PER	CENTAGE	FREQUE	ENCY OF	WIND SP	EED BY	HOUR	(GMT)			
HOUR	CALM	1-3	4-10			(KNOTS) 34-47	48+	MEAN	PCT	TOTAL		
00603	2.9	3.9	38.6	48.9	5.7		.0	11.8	100.0	3228 4392		
12615 18621 707	2.6	4.2 4.5 639	36.8 39.6 5932	50.2 48.1 7564	5.1 896	.1	.0	11.5	100.0	3381 4450 15451		
PCT	2.6	4.1	38.4	49.0	5.8		.0	11.,	100.0	13431		

0 0

			T	ABLE 5								7,	ABLE 6					
	PCT FRE	Q OF T	DTAL WIN	CLOUD A		(ETGHTHS)			PERCEN	TAGE F	REQUEN	ICY OF	CEILIN NH <5/	B BY W	HTS (IRECTI)4/8) JN	
WND DIR	0-2	3-4	5-7	B & DBSCD	TOTAL	COVEP	000 149	150 299	300 599	999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8	
N NE	32.1	5.2	8.4			2.2	-1	:	.1	:4	1.3	1.8	1.0	.5	.6	1.1	42.6	
	21.3	.5	.8	2.8		3.6	.0	.0		.1	.1	.2	:1	.1	.1		2.2	
E SE	.3	.1	.3	.3		4.8	.0	.0		.1	.1	*	.1	*	.0	.0	.5	
S	.4	.2	.2	.1		3.1		.0	.0			.1	*	*	.0	*	.7	
SW	.3	.1	.1	1.		2.8		.0			*	*			*	*	.5	
W	.6	.1	.1	.1		2.7	.0	.0	*	*		*	.0	.0	.0	*	.8	
NW	2.1	.5	.8	.4		2.7	.0	.0		.1	.2	.2	.1	*	.1	.1	3.0	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	3.0	.2	.5	.2		1.5		.0	.0		.1	*	*	.0	.1	.1	3.5	
TOT OBS	4024	845	1197	490	6556	2.4	11	3	16	78	230	252	130	63	96	141	5536	6556
TOT PCT	61.4	12.9	18.3	7.5	100.0		.2	*	.2	1.2	3.5	3.8	2.0	1.0	1.5	2.2	84.4	100.0

TABLE 7 CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

					VSBY (NM)			
CI	EILING	= DR	- OR	. OR	- DR	· DR	- OR	· DR	- DR
(1	FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
OK	>6500	2.6	3.6	3.7	3.7	3.7	3.7	3.7	3.7
OR	>5000	3.4	4.5	4.7	4.7	4.7	4.7	4.7	4.7
DR	>3500	4.8	6.3	6.6	6.6	6.6	6.6	6.6	6.6
DR	>2000	7.2	9.9	10.4	10.4	10.4	10.4	10.4	10.4
OR	>1000	9.7	13.2	13.9	13.9	13.9	13.9	13.9	14.0
DR	>600	10.6	14.4	15.1	15.1	15.1	15.1	15.2	15.2
DR	>300	10.7	14.5	15.3	15.4	15.4	15.4	15.4	15.4
	>150	10.7	14.5	15.4	15.4	15.4	15.4	15.4	15.4
	> 0	10.7	14.6	15.5	15.5	15.6	15.6	15.6	15.6
	TOTAL	716	981	1039	1043	1044	1045	1046	1047

TOTAL NUMBER OF 085: 6710 PCT FREQ NH <5/8: 84.4

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

O 1 2 3 4 5 6 7 8 085CO 085 54.2 11.0 8.1 5.8 4.4 2.9 4.1 3.9 5.5 .1 6991

DCTOBER

PERIOD: (PRIMARY) 1922-1973 (OVER-ALL) 1854-1973

TABLE 8

AREA 0006 CAPE BLANC 20.4N 18.1W

		P	ERCENT	PRECI	PITATI	DIRECT	TIUN Y	ING V	LUES	F VIS	IBILI	URRENC	E OF
SBY		N	NE	E	SE	5	SW	W	NW	VAR	CALM	PCT	TOTAL
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2	NO PCP			.0		.0	.0	.0	.0	.0		.1	
	TOT &			.0		.0	.0	.0	.0	.0	*	.1	
	PCP	.0	.0			.0	.0	.0	.0	.0	.0	.5	
12<1		.3	.1		.0	.0				.0	.0	.5	
	TOT %	.3	.1			.0				.0	•0	.5	
	PCP	.0	.0	.0		.0	.0	.0	.0	.0	.0		
<2	NO PCP	:2	.1			.0	.0		.1	.0		.5	
	TOT %	.2	.1			.0	.0		.1	.0		.5	
	PCP						.0	.0	.0	.0	.0	.1	
<5	NO PCP	1.1	.6	.1		.1		.0	.1	.0	.1	2.1	
	TOT %	1.1	.6	.1		.1		.0	.1	.0	.1	2.2	
	PCP	.1	.1	.6	.1	.2	.0	.3		.0	.0		
<10	NO PCP	12.0	8.0	.6	.2	.2	.1	.3	1.0	.0	.7	23.0	
	TOT \$	12.1	8.1	.6	.2	.2	.1	.3	1.1	.0	.7	23.4	
	PCP	.1	.1				.0			.0	.0	.3	
.0+	NO PCP	36.3	26.7	2.1	.5	.6	:4	.6	2.8	.0	2.8	73.0	
	TOT %	36.4	26.8	2.2	.6	.6	.4	.7	2.8	.0	2.8	73.3	
	TOT OBS										100		824
	TOT PCT	50.2	35.9	2.9	.9	.9	.6	1.1	4.0	.0	3.7	100.0	

TABLE 0

				PERCENT	ITH VA	RYING	VALUES	OF V	ISIBIL	ITY			
VSBY (MM)	SPU	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL
	0-3	.0		.0	.0	.0	.0	.0		.0	*	*	
<1/2	4-10			.0	.0	.0	.0	*	*	.0		.1	
	11-21			*		.0	.0	.0		.0		.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT *	.1			*	.0	.0	*		.0	*	.1	
	0-3		*	.0	.0	.0	.0		.0	.0			
1/2<1	4-10	.1	*	*	.0	.0	*	*	*	.0		.1	
	11-21	.2	.1	.0	.0	.0	.0	.0	.0	.0		.2	
	22+		.0	*	*	.0	.0	.0	.0	.0			
	TOT \$.2	.1	*	*	.0				.0		.4	
	0-3	.1		*	.0	.0	.0			.0		.2	
1<2	4-10	.1	.1	*	*	.0	.0	*	*	.0		.3	
	11-21	.1	.1	*	.0	.0	.0	.0		.0		.2	
	22+			.0		.0	.0	.0	.0	.0			
	TOT %	.3	.2			.0	.0	*	.1	.0	*	.7	
	0-3	.1			.0	.0	.0	.0		.0	.1	.2	
2<5	4-10	.4	.3	.1	.0	.0	.0	.0	.1	.0		.9	
	11-21	.6	.5	*	*	.1	*	.0	.0	.0		1.2	
	22+	.1	.1	*		*	.0	.0		.0		.2	
	TOT %	1.1	1.0	.1	*	.1	*	.0	.1	.0	.1	2.5	
	0-3	.3	.2					.1	.1	.0	.5	1.3	
5<10	4-10	3.9	2.8	.3	.1	.1	*	.2	.6	.0		8.0	
	11-21	5.9	4.5	.3	*	.1		*	.3	.0		11.1	
	22+	.7	.8	.7		.0	.0	.0		.0		1.6	
	TOT %	10.9	8.3	.7	• 2	.1	• 1	.3	1.0	.0	.5	22.1	
	0-3	1.1	.7	1:1		.1	.1	.1	1:7	.0	2.3	5.0	
10+	4-10	13.4	10.8	1.1	.3	.2	. 2	.4	1.7	.0		28.3	
	11-21	18.6	16.7	.9	.1	.1	.1	.1	.6	.0		37.2	
	22+	1.8	1.8	.1				.0		.0		3.7	
	TOT %	34.9	30.1	2.2	.5	.5	.4	.5	2.7	.0	2.3	74.1	
	TOT DBS		-										11205
	TOT PCT	47.5	39.7	3.0	. 8	.7	.5	.9	3.9	.0	3.0	100.0	

PERIOD: (PRIMARY) 1922-1973 (OVER-ALL) 1854-1973 OCTOBER

AREA 0006 CAPE BLANC 20.4N 18.1W

PERCENT	FREQUENCY	OF	CEI	LING	HEIGH	ITS	(FEET, NH	>4/81	AND
	OCCIIO		100	ac .	IL JEIG		UOUD		

							West of the same						
HOUR (GMT)	000	150 299	300 599	600	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL DBS
00603	.1	.0	.1	1.0	3.1	3.0	1.4	.8	1.3	2.3	13.2	86.8	1632
90300	.2	-1	.3	1.4	3.8	3.9	1.8	.5	.9	2.3	15.2	84.8	1596
12615	.1	.1	.4	1.3	3.3	3.6	2.6	1.0	1.6	2.2	16.3	83.7	1914
18621	.2	.0	.1	1.0	3.5	4.6	1.8	1.3	1.9	1.8	16.2	83.8	1748
TOT PCT	11	3	16	81	238	260	131	^3 .9	101	150	1054	5836 84.7	6890

TABLE 1

TABLE

		PERCENT	FREQUENC	y VSBY	(NM)	BY HOUR		CUMULAT	IVE PCT	FREQ G HGT	OF RAN	GES OF NH >4/8	VSBY (NM)	AND/OR
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00603	.1	.5	.4	2.4	21.5	75.1	2564	00603	.1	.4	3.6	11.7	84.7	1585
06609	•2	.4	.6	2.0	23.7	73.1	3029	90360	.3	.6	4.0	12.9	83.1	1539
12615	•2	.3	.7	2.9	20.5	75.4	2727	12815	•1	.6	4.4	13.9	81.6	1873
18621	•1	.5	1.0	2.6	22.8	73.1	3120	18821	.3	.5	4.4	14.1	81.5	1713
TOT PCT	17	49	77	282	2539	8476 74.1	11440	TOT PCT	13	36	276 4.1	887 13.2	5547 82.7	6710

TABLE 13

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N NE E SE S SW W NW VAR CALM

* .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0

.4 .4 .2 .2 * .0 * .1 .1 .0 *

6.3 4.2 .7 .4 .2 .2 .4 .8 .0 .4

15.2 11.3 .9 .3 .3 .1 .2 1.3 .0 .7

21.7 17.1 1.1 .2 .3 .2 .4 1.5 .0 1.0

5.6 4.5 .2 * * * * * .4 .0 .2

* * 0 .0 .0 .0 * 0 .0 .0 .0

49.4 37.6 3.0 .9 .9 .5 1.1 4.1 .0 2.5

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR
HOUR MAX 99% 95% 50% 5% 1% MIN MEAN TOTAL
OBS
10603 85 82 80 73 67 64 54 73.0 3262
10609 88 82 80 73 67 64 54 72.9 4410
12615 91 86 83 76 69 66 55 78.9 3349
12615 91 86 83 75 69 66 55 75.3 4413
107 94 84 82 74 68 64 54 74.2 15434

TABLE 16

HOUR (GMT) 0-29 30-59 60-69 70-79 80-89 90-100 MEAN TOTAL OBS 006609 .0 1.5 6.1 26.4 42.7 24.3 83 1486 006609 .0 1.3 5.2 22.3 44.3 26.9 83 1486 12615 .0 3.8 13.1 41.2 34.3 7.6 77 1533 18621 .0 1.7 10.1 36.9 40.4 11.0 79 1560 TOT 0 113 525 1930 2450 1047 81 0065

TABLE 17

AREA 0006 CAPE BLANC 20.4N 18.1W

PCI FREE OF ALL	TEMPERATURE TUE	F) AND THE OCCURRENCE	DE EDG (MILHOU)	PRECIPITATION
	WE ATO-SE	TEMPERATION DIFFERENCE	(DEC E)	

					VS AI	K-2FA	IEMPE	KATUKE	UIF	LEKEN	ICE (DE	6 77			
AIR-SEA	53 56	57 60	61	65	69 72	73 76	77	81 84	85 88	89 92	>92	TOT	FOG	FOG	
23/25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		1	.0		
20/22	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	1	.0		
17/19	.0	.0	.0	.0		.0	.0			*	.0	5	.0	.1	
14/16	.0	.0	.0	.0	.0			.2	.1	.0	*	24		.3	
11/13	.0	.0	.0		.0	.1	.3	.2	.1		.0	51	*	.6	
9/10	.0	.0	.0	.0		.3	.7	.2	.1	.0	.0	104	.1	1.3	
7/8	.0	.0	.0		.3	.7	. 8	.4	.1	.0	.0	174	.1	2.2	
6	.0	.0	.0		.1	1.0	.4	.2		.0	.0	132	.1	1.7	
5	.0	.0	.0		. 8	1.7	.6	.4	.1		.0	282	-1	3.6	
4	.0	.0	.0	.1	1.7	1.7	1.0	.6	.2	.0	.0	402	.2	5.1	
3 2	.0	.0	.0	.3	2 . B	1.8	1.0	.7	.1	.0	.0	520	.1	6.7	
2	.0		.0	.6	4.5	2.5	1.5	1.2	. 1	.0	.0	799	.3	10.2	
1	.0	.0		1.0	5.3	2.6	2.1	1.7		.0	.0	981	.2	12.7	
0	.0	.0		2.1	5.1	3.4	3.0	1.1	.0	.0	.0	1124	.3	14.4	
-1	.0	.0	.0	.9	3.2	3.2	2.9	.6	*	.0	.0	824	.2	10.6	
-2	.0	.0	.0	1.0	2.5	3.3	2.5	.3	.0	.0	.0	733	.2	9.4	
-3	.0	.0		.4	1.6	2.6	1.3	.1	.0	.0	.0	468	.1	6.0	
-4	.0	.0	.2	.4	1.2	2.2	.6	.1	.0	.0	.0	357	.1	4.6	
-5	.0	.0	. 1	.4	1.1	1.5	.4	.1	.0	.0	.0	276	.1	3.6	
-6	.0	.0		.1	.6	.5	.1	.0	.0	.0	.0	103		1.3	
-7/-8	.0	.0	.1	.1	.7	.5	.1	.0	.0	.0	.0	116	.0	1.5	
-9/-10	.0	.0		.2	.2	-1		.0	.0	.0	.0	43		.5	
-11/-13		.1	.1	.1	.1		.0	.0	.0	.0	.0	38	.1	.4	
-14/-16	. 1	. 2		.1	.0	.0	.0	.0	.0	.0	.0	37	.1	.4	
-17/-19		.1	.1		.0	.0	.0	.0	.0	.0	.0	18		.2	
-20/-22	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	12	.1	.1	
-23/-25	*		.0	.0	.0	.0	.0	.0	.0	.0	.0	3	.0		
TOTAL	18		58		2447		1481		86		2		178	7450	
		37		616		2261		617		5		7628			
PCT	. 2	.5	. 8	8.1	32.1	29.6	19.4	8.1	1.1	• 1		100.0	2.3	97.7	

PERIOD: (OVER-ALL) 1963-1973

TABLE 18

				PC	T FREQ	F WIND	SPEED	(KTS) AND	DIRE	TION V	ERSUS S	EA HEIG	HTS (FT		
нст	1-3	4-10	11-21	N 22-33	34-47	48+	PCT		1-3	4-10	11-21	NE 22-33	34-47	48+	PCT
<1	.7	2.7	.2	.0	.0	.0	3.6		.3	1.8	.1	.0	.0	.0	2.2
1-2	.6	9.6	5.1	.0	.0	.0	15.3		.4	7.2	3.4	.0	.0	.0	11.1
3-4	*	5.8	10.4	.3	.0	.0	16.5		.1	3.8	7.4	.3	.0	.0	11.7
5-6	.0	.9	8.3	.8	*	.0	10.0		.0	.9	5.0	.6	*	.0	6.4
7	.0	.1	2.4	.7	.0	.0	3.2		.0	.2	1.7	.6	.0	.0	2.5
8-9	.0		.9	.5	*	.0	1.5		.0	*	.5	.3	.0	.0	.9
10-11	.0	.0	.2	.4	*	.0	.6		.0		.2	.3	.0	.0	.5
12	.0	.0	.0	*	•0	.0	*		.0	.0	.1	.1	.0	.0	.1
13-16	.0	.0		.0	.0	.0	*		.0	.0	*	.0	•0	.0	
17-19	.0	.0	.0		.0	.0	*		•0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	•0	.0	.0
23-25	.0	.0	.0	.0	•0	.0	.0		•0	•0	.0	.0	•0	.0	.0
33-40	.0	.0	.0	.0	•0	.0	.0		•0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0		.0
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.3	19.2	27.4	2.8	.1	.0	50.8		.8	13.9	18.5	2.2		.0	35.4
HGT	1-3	4-10	11-21	E 22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.1	.0	.0	-	.0	.3		*	.1	.0	.0		.0	.1
1-2	.1	.7	.3	.0	.0	.0	1.1		.0	.2	*	.0	.0	.0	.2
3-4	.0	.5	.4	.0	.0	.0	.9		.0	.1	.1		.0	.0	.3
5-6	.0	.1	.3	*	.0	.0	.3		.0	.0	.1		.0	.0	.1
7	.0	.0	.0		*	.0			.0	.0		.0	.0	.0	
8-9	.0	.0	*	.0		.0			.0	.0	.0	.0		.0	
10-11	.0		.0	.0		.0			.0	.0	.0	.0		.0	
12	.0	.0	.0	.0	•0	.0	.0		.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	•0	.0	.0		.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	•0	.0	.0		.0	.0	.0	.0	•0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	•0	.0	.0		.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	•0	.0	.0		.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	•0	.0	.0		.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	•0	.0	.0		.0	.0	.0	.0	.0	.0	.0
71-86	•0	.0	.0	.0	•0	.0	.0		.0	•0	.0	.0	•0	.0	.0
87+	.0	.0	.0	.0	•0	.0	.0		.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	1.4	.9	.1	•1	.0	2.7			.3	.2	.1		.0	.6

PERIOD:	(OVE	R-ALL)	1963-1	1973						OBER				AREA	0006		
								TABLE	18	(CONT)					20.	4N 18	8.1W
				PC	T FREO	OF WIND	SPFED	(KTS)	AND	DIREC	TION	VERSUS	SEA HEIG	HTS (FT)			
HGT	1-3	4-10		5	34-47								SW				
<1			11-21	22-33		48+	PCT			1-3	4-10		22-33	34-47	48+	PCT	
1-2	•1	:1	.1	.0	.0	.0	.1				• 1		.0	.0	.0	.1	
3-4	.0	.1	.1	.0	.0	.0	.1			.0	:1		.0	.0	.0	.1	
5-6		.0	.1		.0	.0	.1			.0	.0			.0	.0	.1	
7	.0				.0	.0	.1			.0	.0		.0	.0	.0	.0	
8-9	.0	.0	.1	.0		.0	,i			.0	.0		.0	.0	.0		
10-11	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
TOT PCT	•1	.3	.3	.1		.0	.8			•1	• 2	.1		•0	.0	.4	
													NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT			1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.1	.1	.0	.0	.0	.0	.2			.3	.5	.0	.0	.0	.0	. 8	
1-2	.1	.3		.0	.0	.0	.4			.1	1.4		.0	.0	.0	1.7	
3-4	.0	.1		.0	.0	.0	.2			.0	.5		.0	.0	.0	.9	
5-6	.0			.0	.0	.0				.0			.0	.0	.0	.3	
7	.0	.0	.0	.0	.0	.0	.0			.0	• 0		*	.0	.0	.1	
8-9	.0	.0	.0	.0	.0	.0	.0			.0	• 0		.0	.0	.0	*	
10-11	.0	.0	.0	.0	.0	.0	.0			.0	• 0			.0	.0		
12	.0	.0	.0	.0	•0	.0	.0			.0	• 0		.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0			.0	• 0		.0	•0	.0	.0	
17-19	.0	.0	.0	.0	.0	-0	.0			.0	• 0		.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0			•0	• 0		.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0			.0	•0		.0	.0	.0	.0	
33-40	.0		.0	•0	.0	.0	.0			.0	.0		.0	.0	•0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	•0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
TOT PCT	.2	.6	.1	.0	.0	.0	.9			.5	2.3		*	.0	.0	3.8	95.4
				.0	.0	.0				.,	2.03	1.0				5.0	,,,,

	WIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	6.7	5.4	.4	.0	.0	.0	12.5	000
1-2	1.5	19.5	9.1	.0	.0	.0	30.1	
3-4	.1	10.9	18.7	.7	.0	.0	30.4	
5-6	*	1.9	13.8	1.4	*	.0	17.2	
7	.0	.3	4.2	1.4		.0	5.9	
8-9	.0	.1	1.5	.8	.1	.0	2.5	
10-11		*			*			
	.0		.3	.7		.0		
12	.0	.0	.1	.1	.0	.0	.2	
13-16	• 0	.0	*	.0	.0	.0	*	
17-19	.0	.0	.0		.0	.0	*	
20-22	•0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+								
0/+	• 0	.0	.0	.0	.0	.0	.0	
								4921
TOT PCT	8.4	39.2	48.1	5.2	.2	.0	100.0	

PERIO	o: (0)	ER-ALL) 194	9-197	3				TABLE	19											
					PERCENT	FRE	QUENCY	OF W	AVE HEI	GHT (F	T) VS	WAVE P	ERIOD	(SECON	DS)						
PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	1	2 13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN
6-7	1.7	11.0	14.1	7:7	3.1	1.9	:3		* *	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	2242	3 5
8-9	.0	.5	2.0	3.3	2.4	1.6	.7		2 .1	.0	*	.0	.0	.0	.0	.0	.0	.0	.0	616	6
10-11	.0	.4	. 8	.9	.7	.4	.2		1 *	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	208	
12-13	.0	.0	1.3	.5	.3	.1	.1		0 *	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	133	4
>13	.0	.0	.0	.3	.3	.1			0 *	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	39	7
INDET	5.7	4.3	5.8	3.9	1.0	.5	.4				.0		.0		.0	.0		.0	.0	1261	3
TOTAL	425	1036	1680	1404	705	309	146	4	1 25	6	3	0	0	0	0	0	0	0	0	5780	4
PCT	7.4	17.9	29.1	24.3	12.2	5.3	2.5		7 .4	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1921-1973 (OVER-ALL) 1855-1973

TABLE 1

AREA 0006 CAPE BLANC 20.4N 18.1W

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	FRZN PCPN	HAIL	PCPN AT	PCPN PAST	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	SIG WEA
N NE	.2	.2	:1	:0	.0	.0	.0	:5	.2	:37	2.1	•1	1.7	.3	94.8
E	.0	.3	.2	.0	0	.0	.0	.5	1.2	.1	3.0	.0	4.7	1.5	88.9
SE	4.8	1.6	.0	.0	.0	.0	.0	6.4	1.2	.0	2.4	.0	.4	1.6	88.0
S	1.3	1.1	.5	.0	.0	.0	.0	3.0	3.8	1.1	1.8	.0	1.3	.0	89.0
SW	1.3	.0	1.4	.0	.0	.0	.0	2.7	.8	1.4	3.3	.0	.6	.6	90.5
	.0	3.5	.8	.0	.0	.0	.0	4.3	.8	3.1	4.7	.6	1.2	.0	85.3
NW	.3	.2	. 2	.0	.0	.0	.0	.7	. 8	.2	4.0	.1	1.9	.7	91.6
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.4	.4	.0	.0	.0	•0	.0	. 8	.4	. 8	3.3	.4	1.2	.0	93.2
TOT PCT	8268	.3	,2	.0	.0	.0	•	.7	.4	.6	2.3	.1	1.9	.5	93.5

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT 08 TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	ND SIG WEA
00603	.4	.3	.1	.0	.0	.0	.0	.8	.4	1.3	1.3	.1	1.6	.4	94.2
90300	. 2	.4	.2	.0	.0	.0	.0	. 8	.5	1.1	2.2	.1	1.3	.3	93.7
12615	.2	.2	.1	.0	.0	•0	.0	.5	.4	.0	3.1	.1	1.7	.7	93.5
18821	.3	•2	.2	.0	.0	•0	*	.7	•2	.1	5.9	.1	3.2	.7	92.1
TOT PCT	.2	.3	.2	.0	.0	•0		.7	.3	.6	2.4	.1	2.0	.5	93.4

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WND DIR	0-3			22-33		48+	TOTAL	PCT	MEAN SPD	00	03	06	HDUR 09	(GMT) 12	15	18	21
N NE	2.0	14.5	14.6	1.2	.1	.0		32.3	11.1	38.4	41.9	31.7	21.9	27.7	38.6	37.4	28.7
E	.5	3.0	3.1	.7		.0		7.3	12.0	5.2	2.0	6.5	10.4	9.1	5.3	6.6	8.4
SE	.2	.6	.2		.0	.0		1.1	8.2	. 8	.0	1.0	1.5	1.3	1.1	1.0	1.2
S	.4	.8	.3		.0	.0		1.5	7.5	1.3	.6	1.3	1.3	2.1	3.5	1.5	1.2
5¥	.4	1.2	.3	.1	*	.0		2.0	7.7	2.0	2.5	1.9	2.6	1.8	2.3	2.0	2.5
W	.5	1.0	.2	.1	*	.0		1.8	6.8	2.1	.6	1.7	1.7	1.7	1.2	1.7	2.3
NW	.7	2.3	.5		.0	.0		3.4	6.8	3.6	4.8	3.7	2.9	2.7	2.4	4.1	3.4
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	4.4							4.4	.0	5.2	8.7	5.2	1.9	4.1	3.7	5.1	2.7
TOT OBS	1661	6266	7014	901	15	0	15857		11.1	3066	161	3164	1408	3310	164	3154	1430
TOT PCT	10.5	39.5	44.2	5.7	.1	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

		WIND								HOU		
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL	PCT	MEAN	00	06	12	18
						Des	FREQ	SPD	03	09	15	21
N NE	7.5	18.8	5.8	.1	.0		32.3	11.1	38.6	28.6	28.2	34.7
NE	6.3	26.2	13.2	:5	.0		46.1	12.9	41.4	49.7	49.1	43.6
SE	1.6	3.8	1.7	•1	.0		7.3	12.0	5.0	7.7	8.9	7.1
SE	.6	.4	.1		.0		1.1	8.2	.8	1.2	1.3	1.1
S	.8	.6	.1		.0		1.5	7.5	1.3	1.3	2.2	1.4
SW	1.1	.8	.1		.0		2.0	7.7	2.1	2.1	1.8	2.1
×	1.1	.5	.1		.0		1.8	6.8	2.0	1.7	1.7	1.9
NW	2.0	1.3	.1		.0		3.4	6.8	3.6	3.4	2.6	3.9
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	4.4						4.4	.0	5.3	4.2	4.1	4.3
TOT OBS	4045	8305	3379	128	0	15857		11.1	3227	4572	3474	4584
TOT PCT	25.5	52.4	21.3	.8	.0		100.0		100.0	100.0	100.0	100.0

PERIOD: (PRIMARY) 1921-1973 (OVER-ALL) 1855-1973

TABLE 4

AREA 0006 CAPE BLANC 20.4N 18.1W

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10		SPEED (48+	MEAN	PCT FREQ	TOTAL
00803	5.3	5.8	40.3	43.5	5.0	.1	.0	11.0	100.0	3227
90330	4.2	5.6	38.6	45.3	6.1	.1	.0	11.4	100.0	4572
12615	4.1	6.4	37.6	45.3	6.6	.1	.0	11.4	100.0	3474
18821	4.3	6.3	41.4	42.8	5.1	.1	.0	10.9	100.0	4584
TOT	704	957	6266	7014	901	15	O	11.1		15857
PCT	4.4	6.0	20 5	44 2	5 7	1	0		100.0	

TABLE 5

TABLE 6

													OLL O					
P	CT FRE	Q OF T		LOUD A		(EIGHTHS)							CEILIN NH <5/					
WND DIR	0-2	3-4	5-7	8 & DBSCD	TOTAL	CLOUD COVER	000 149	150 299	300 599	600	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL
N	27.4	4.9	6.4	2.9		2.2	.2	.0	.1	.3	1.0	1.3	.6	.4	.4	.8	36.6	
NE	22.3	5.4	7.0	2.8		2.5	.1	.0	.1	.4	1.2	1.1	.9	.6	• 2	.7	32.3	
	2.4	.0	1.0	.6		3.2	.1	.0	*	.1	.2	.3	.1	.1	• 1	.1	3.5	
SE	.4		.2	.1		3.4	.0	.0	*	*	*	.1	.1		.0	*	.5	
S	1.0	.3	.5	. 1		3.1	.0	.0	.0	*	.1	.1	.1	.0	.0	*	1.5	
SW	1.1	.2	.4	.1		2.8	*	.0	.0		.1	.1	*	.0	.0	*	1.6	
*	.7	. 2	. 4	.1		3.1	*	.0	*	.0	*	.1	*	*	*	*	1.1	
NW	2.2	.6	.7	.3		2.6		.0	.0	*	.2	.2	.1	*	*	*	3.2	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
CALM	4.7	.6	. 8	.5		1.9	.1	.0	.0	.2	.1	.2	.1	.0	.1	*	5.8	
TOT OBS	4153	866	1148	506	6673	2.4	35	0	11	74	204	228	132	72	55	114	5748	6673
TOT PCT	62.2	13.0	17.2	7.6	100.0		.5	-0	. 2	1.1	3.1	3.4	2.0	1.1	. 8	1.7	86.1	100-0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

				VSBY (NM	1)			
CEILING	. DR	= DR	- DR	= OR	■ ⊓R	· OR	# DR	= DR
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
= OR >6500	1.9	2.5	2.5	2.5	2.5	2.5	2.5	2.5
■ DR >5000	2.7	3.5	3.6	3.6	3.6	3.6	3.6	3.6
■ DR >3500	3.9	5.2	5.6	5.6	5.6	5.6	5.6	5.6
■ DR >2000	6.3	8.4	8.9	9.0	9.0	9.0	9.0	9.0
■ UR >1000	8.7	11.3	12.0	12.1	12.1	12.1	12.1	12.1
■ DR >600	9.4	12.3	13.1	13.2	13.2	13.2	13.2	13.2
■ DR >300	9.5	12.5	13.2	13.3	13.4	13.4	13.4	13.4
# DR >150	9.5	12.5	13.2	13.3	13.4	13.4	13.4	13.4
# OR > 0	9.5	12.6	13.4	13.5	13.6	13.7	13.9	13.9
TOTAL	654	861	918	927	930	941	951	952

TOTAL NUMBER OF OBS: 6858 PCT FREQ NH <5/8: 86.1

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 OBSCD OBS 52.8 13.1 9.1 6.0 4.4 3.0 3.0 3.3 4.9 .5 7148

PERIOD: (PRIMARY) 1921-1973 (OVER-ALL) 1855-1973

TABLE 8

AREA 0006 CAPE BLANC 20.4N 18.1W

		Р	ERCENT				TH VAR					CURRENC	E OF
VSBY (NM)		N	NE	F	SE	5	SW	W	NW	VAR	CALM	PCT	TOTAL
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	NO PCP	. 2	.1	*	.0	*	*	*	*	.0	.1	.5	
	TOT %	.2	.1		.0		*	*	*	.0	.1	.5	
	PCP	.0	.0	.0	.0	.0		*	*	.0	.0		
12<1		.1	.3	*	.0	.0	*	*	*	.0	*	.5	
	TOT %	.1	.3	*	.0	.0	*	*	*	.0	*	.5	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<2	NO PCP	.1	. 2	.1	.0	.0	.0	*	*	.0	*	.4	
	TOT %	.1	. 2	.1	.0	.0	.0	*	*	.0	*	.4	
	PCP	.7	.0	.0	*	*	*	.0	.1	.0	*	.1	
<5	NO PCP	. 7	.7	. 2	:	*		*	. 1	.0	.1	2.0	
	TOT %	. 8	.7	.2		*	*	*	. 1	.0	• 1	2.1	
	PCP	.1	.1		*		*	*	*	.0	*	.4	
5<10	NO PCP	7.2	7.6	1.1	.1	.3	. 3	. 4	.7	.0	1.4	19.2	
	TOT %	7.3	7.7	1.1	.2	.3	.4	.4	.7	.0	1.4	19.5	
	PCP	32.3	29:1	*	*		.0		*	.0	.0	.3	
10+	NO PCP			3.3	.6	1.5	1.4	1.0	3.0	.0	4.6	76.7	
	TOT %	32.4	29.2	3.3	.6	1.5	1.4	1.1	3.0	.0	4.6	77.0	
	TOT OBS												8254
	TOT PCT	40.9	38.2	4.7	. 8	1.8	1.9	1.5	3.9	.0	6.3	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	KTS KTS	N	NE	E	SE	5	SW	W	NW	VAR	CALM	PCT	TOTAL
	0-3	.1	*	*	.0	*	*	*	*	.0	.1	.0	
<1/2	4-10	. 1	*	*	.0	*	*	*	*	.0		.2	
	11-21	*	*	.0	.0	.0	.0	.0	.0	.0		*	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TDT %	.2	.1	*	.0	*	*	*	*	.0	.1	.4	
	0-3	*	.0		.0	.0	*	*	*	.0	*	*	
1/2<1	4-10	.1	*	.0	.0	.0	.0	*	*	.0		.1	
	11-21	*	.1	*	.0	.0	*	.0	*	.0		. 2	
	22+	*	*	*	.0	.0	.0	.0	.0	.0		*	
	TOT %	.1	.2	*	.0	.0	*	*	*	.0	*	.4	
	0-3	*	*	.0	.0	.0	*	*	*	.0	*	.1	
1<2	4-10	*	*	*	*	*	.0	.0	*	.0		.1	
	11-21	*	. 1	*	.0	.0	.0	.0	.0	.0		.1	
	22+	.0	.1	.0	.0	.0	.0	*	.0	.0		*	
	TOT %	• 1	.1	*	*	*	*	*	*	.0	*	.4	
	0-3	.1	*	*	*	*	*	.0	*	.0	.1	.4	
2<5	4-10	.2	.2	.1	*	*	*	*	*	.0		.7	
	11-21	.3	.5	.1	*	*	*	.0	*	.0		.9	
	22+	.1	*	*	.0	.0	.0	.0	.0	.0		.1	
	TOT %	.7	.8	.2	• 1	.1	*	*	.1	.0	.1	2.1	
	0-3	.4	.2	.1	.1	*	.1	.1	. 1	.0	1.2	2.4	
5<10	4-10	2.8	2.9	.5	.1	.1	.2	.2	. 4	.0		7.2	
	11-21	2.9	2.9	.5	*	*	*	.2	.1	.0		7.2	
	22+	.3	.5	.1	.0	.0	.0	*	.0	.0		.8	
	TOT %	6.4	7.4	1.1	. 2	. 2	.3	.3	.6	.0	1.2	17.9	
	0-3	1.5	1.0	.2	.1	.3	.2	.3	.5	.0	3.8	7.9	
10+	4-10	13.3	12.2	2.0	.4	. 7	.9	. 6	1.9	.0		32.0	
	11-21	13.6	18.7	1.6	.1	.3	. 2	.1	.4	.0		34.9	
	22+	1.0	2.8	.2	.0	*	.0	.0	*	.0		4.0	
	TOT %	29.4	34.7	4.0	.6	1.3	1.2	1.0	2.8	.0	3.8	78.8	
	TOT OUS												11341
	TOT PCT	36.9	43.3	5.5	.9	1.6	1.6	1.4	3.5	.0	5.3	100.0	

PERIOD: (PRIMARY) 1921-1973 (OVER-ALL) 1855-1973

TABLE 10

AREA 0006 CAPE BLANC 20.4N 18.1W

PERCENT	FREQUENCY	DE	CEILIN	G HEIGHTS	(FEET.NH	>4/8)	AND
						. 4, 0,	MILL

					-								
HOUR (GMT)	000	150 299	300 599	600 999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL
00803	.2	.0	.2	.8	3.2	2.7	1.5	.7	.7	2.1	12.3	87.7	1638
90360	.5	.0	.4	.8	3.4	3.3	1.3	.7	.8	1.5	12.6	87.4	1669
12615	.9	.0	.1	1.2	2.4	3.5	2.1	1.2	.8	1.3	13.6	86.4	1922
18621	.3	.0	.1	1.4	3.2	3.7	2.5	1.6	.8	1.8	15.4	84.6	1823
TOT	35	.0	12	76	213	235	134	75 1.1	56	118	954 13.5	6098	7052

TABLE 11

TABLE 1

											- CONTRACTOR -			
		PERCENT	FREQUEN	CY VSBY	(NM)	BY HOUR		CUMULAT					VSBY (NM)	
HUUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL	HOUR	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL
00603	.1	.3	.4	1.7	17.4	80.1	2553	00603	.3	.6	2.8	10.7	86.5	1582
90300	.4	.5	.3	1.5	19.8	77.5	3118	06809	.5	1.0	3.2	11.2	85.6	1611
12615	1.1	.4	.3	2.8	15.3	80.2	2757	12815	.9	1.2	5.4	10.7	83.9	1878
18821	.4	.5	.6	2.4	19.0	77.1	3188	18821	.3	.4	5.1	12.3	82.5	1787
TOT PCT	55	50 •4	44	242	2092	9133 78.6	11616	TOT	35	56	289	772 11.3	5797 84.5	6858

TABLE 12

TABLE 1

						-									IABL	C 14				
					ELATIV				TOTAL	PCT		PERC	ENT FRE	QUENC	Y OF W	IND DI	RECTIO	N BY T	EMP	
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	DBS	FREQ	N	NE	E	SE	S	SW	W	NW	VAR	CALM
90/94	.0	.0	.0	*	.0	.0	.0	.0	1	*	.0		.0	.0	.0	.0	.0	.0	.0	.0
85/89	.0	.0	.0	.1	.1	.1	*	.0	13	.2	.1	. 1	*		.0	.0	.0	.0	.0	
80/84	.0	.0	*	.2	. 8	.6	.2	*	108	1.9	.7	1.0	. 1	*	.0	.0	*	.1	.0	
75/79	.0	.0	.1	1.0	3.8	7.4	4.2	1.6	1044	18.0	6.8	7.0	1.3	. 2	. 3	. 4	. 4	. 8	.0	. 9
70/74	.0	.0	.1	1.1	6.2	17.7	16.8	7.4	2851	49.2	19.4	19.7	2.4	. 4	1.0	1.2	.7	2.0	.0	2.4
65/69	.0	.0	*	.4	1.5	6.0	14.1	7.7	1723	29.8	13.0	11.5	1.1	. 2	.6	.5	.4	1.0	.0	1.5
60/64	.0	.0	.0	.0	*	.1	. 2	. 4	49	. 3	.3	.5	*	*	*	.0	.0	.0	.0	.1
TOTAL	0	0	17	161	717	1846	2057	991		100.0					-					•••
PCT	.0	.0	.3	2.8	12.4		35,5	17.1			40.3	39.7	5.0	.8	1.9	2.1	1.4	3.9	.0	4.9

TABLE 15

TABLE 16

	MEANS,	EXTREM	ES AND	PERCEN	TILES	OF TE	MP (DE	G F) B	Y HOUR		PERC	ENT FRE	QUENCY	DF RELA	TIVE H	YTIDIMU	BY HOUR	2
HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL	HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
60300 60300	85 83	78 79	76 76	70 70	64	60 59	50	70.2	3291 4606	£0300	.0	1.2	7.4	27.8	41.1	22.5	82 82	1431
12615	90	83	80	73	66	61	52	72.7	3440	12615	.0	6.3	18.9	35.0	29.4	10.5	76	1511
18621	90	82	79 78	72 71	65	61	51	72.1	4531 15868	18621 TOT	.0	181	729	37.0 1889	34.7 2143	12.8	79 80	1553 5993

PERIOD: (PRIMARY) 1921-1973 (OVER-ALL) 1855-1973

TABLE 17

AREA 0006 CAPE BLANC 20.4N 18.1W

OCT	EDEA GE	410	TEMBERATINE	COEC	E 1	AND	THE	DECLIBBERGE	ne	FOC	LUTTHOUT	PRECIPITATION)
1.61	LVER OL	WIL	EMPERATURE	LDEG	F /	MIND	INE	UCCORKENCE	ur	-uc	CMILLUROL	PRECIPILIALIUM

					42 WI	K-SEA	IEMFE	KATUKE	DIF	FEREN	CE (DE	0 7			
AIR-SEA	49	53	57	61	65	69	73	77	81	85	89	TOT	W	WD	
TMP DIF	52	56	60	64	68	72	76	80	84	88	92		FOG	FOG	
20/22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1 2	.0		
17/19	.0	.0	.0	.0	.0	.0		.0	.0		.0	2	.0		
14/16	.0	.0	.0	.0	.0	.0	*	.0	.1		*	13	*	.2	
11/13	.0	.0	.0	.0	.0	*	.1	.0	. 1	*		43		.5	
9/10	.0	.0	.0	.0	.0	.1	.4	.3	. 1		.0	70	.1	.5	
7/8	.0	.0	.0	.0		.4	.6	.4	. 2		.0	134	.1	1.7	
6	.0	.0	.0	.0		.5	.7	. 3			.0	116		1.5	
5	.0	.0	.0	*	.2	1.0	1.0	.4	. 1		.0	211	.1	2.6	
4	.0	.0	.0	.1	.6	1.9	1.0	. 6	. 1	*	.0	335	. 1	4.3	
3	.0	.0	.0	*	. 8	2.3	1.7	.5	. 1	*	.0	422	.1	5.3	
2	.0	.0	.0	.4	2.3	3.7	2.3	.9	. 1	*	.0	743	.3	9.3	
1	.0	.0		.2	3.4	5.0	2.9	.9	. 1	.0	.0	970	.2	12.4	
0	.0	.0	.1	.4	3.8	5.5	3.5	1.2	. 1	.0	.0	1127	.5	14.1	
-1	.0	.0		.3	3.6	4.9	3.6	.6		.0	.0	1008	.3	12.7	
-2	.0	.0	.1	.4	2.4	4.2	2.9	.5		.0	.0	807	.3	10.2	
-3	.0	.0	.0	.3	1.4	3.0	1.9	.2		.0	.0	529	.1	6.7	
-4	.0			.5	1.0	2.4	1.2	.2	.0	.0	.0	408	.1	5.2	
-5	.0	.0	.1	.6	1.0	1.6	.6	.1	.0	.0	.0	301	.1	3.8	
-6	.0	.0	. 1	.3	.4	.7	.2	.0	.0	.0	.0	125	*	1.6	
-7/-8	.0	.0	.2	.6	.4	.7	.3	.0	.0	.0	.0	163		2.1	
-9/-10	.0	*	.2	.2	.3	.3	.1		.0	.0	.0	89	*	1.1	
-11/-13	*	. 1	. 2	.2	.2	. 1	.0	.0	.0	.0	.0	61	.1	.7	
-14/-16	.1	.2		.1	.1	*	.0	.0	.0	.0	.0	43	.1	.5	
-17/-19	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9		7536	
TOTAL	21		75		1698		1926		93		3		194	7536	
		30		347		2959		563		15		7730			
PCT	. 3	.4	1.0	4.5	22.0	38.3	24.9	7.3	1.2	. 2		100.0	2.5	97.5	

PERIOD: (DVER-ALL) 1963-1973

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT) HGT
<1
1-2
3-4
5-6
7
8-9
10-11
12
13-16
17-19
20-22
23-25
26-32
33-40
41-88
49-60
61-70
71-86;** 4-10 3.2 9.0 4.9 .0 .0 .0 .0 .0 .0 .0 .0 11-21 2.5 8.0 6.3 3.0 .0 .0 .0 .0 .0 .0 .0 48+ HGT <1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60 61-70 71-86 87+ TO PCT 48+ 1-3

PERIOD:	(OVE	R-ALL)	1963-1	973				NOVE	MBER				ARFA	0006	APF BL	ANC
								TABLE 18	(CONT)					20.4		. 1W
				PC	T FREQ	OF WIND	SPEED	(KTS) AND	DIREC	TION	VERSUS	SEA HEIG	HTS (FT			
HGT	1-3	4-10	11-21	S 22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	.2	.3	.0	.0	.0	.0			.1	.2			.0	.0	.3	
1-2	.1	.5	.2	.0	.0	.0	.8		.2	.6			.0	.0	.9	
3-4	.0	.1	.2	.0	.0	.0	.3		.0	.3			.0	.0	.5	
5-6	.0	.1	*	.0	.0	.0	:1		.0				.0	.0	.1	
7	.0	.0		.0	.0	.0	*		.0	.0			.0	.0		
8-9	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0		.0				.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0		.0	• 0			.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0		.0	. (.0	.0	.0	.0	.0	
OT PCT	• 2	.9	.4	.0	.0	.0	1.6		.2	1.2		.0	.0	.0	1.7	
				_								NW				TOTA
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTA
<1	.2	.2	.0	.0	.0	.0	. 4		.3	.7	.0	.0	.0	.0	.9	
1-2	.2	.3	.1	.0	.0	.0	.4		.1	1.3			.0	.0	1.5	
3-4	*	.1	*	.0	.0	.0	. 1		.0	5	. 4	.0	.0	.0	. 9	
5-6	*	.0	.1	.0	.0	.0	. 1		.0	• 1	.1	.0	.0	.0	.3	
7	.0	.0	*	.0	.0	.0	*		.0	• 0	.1	.0	.0	.0	. 1	
8-9	.0	.0	.0	.0	.0	.0	.0		.0	.0	*	*	.0	.0		
10-11	.0	.0	.0	.0	.0	.0	.0		.0	• 0			.0	.0	*	
12	.0	.0	.0	.0	.0	.0	.0		.0	• 0			.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0		.0	• 0			.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0		.0	• 0			.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0		.0	• 0			.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0		.0	• 0			.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0		.0	• 0			.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0		.0	• 0			.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0		.0	• 0			.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0		.0	• 0		.0	.0	.0	.0	
87+	.0	.0	.0	.0	•0	.0	.0		.0	.0			.0	.0	.0	
TOT PCT	.4	.6	1.	.0	0.	0.	1.2		. 4	2.6	.7	*	.0	.0	3.7	92.

	WIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	11.3	6.7	.2	.0	.0	.0	18.2	003
1-2	1.7	18.7	6.2	.0	.0	.0	26.7	
3-4	• 2	10.0	17.6	.8	.0	.0	28.6	
5-6			12.2	1.1	.0	.0	15.3	
7	• 1	1.9						
8-9	• 0	.3	5.8	1.2		.0	7.3	
	• 0		1.5		.0	.0	2.4	
10-11	•0	*	.5	.5	.0	.0	1.1	
12	• 0	.0	.1	.2	.0	.0	.3	
13-16	• 0	.1	.1	*	.0	.0	.2	
17-19	•0	.0	*	.0	.0	.0	*	
20-22	• 0	.0	.0	.0	.0	.0	.0	
23-25	•0	.0	.0	.0	.0	.0	.0	
26-32	•0	.0	.0	.0	.0	.0	.0	
33-40	•0	.0	.0	.0	.0	.0	.0	
41-48	•0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	•0	.0	.0	.0	.0	.0	.0	
71-86		.0	.0	.0	.0	.0	.0	
87+	•0							
0/+	•0	.0	.0	.0	.0	.0	.0	
		22.4						5034
TOT PCT	13.3	37.7	44.3	4.6	*	.0	100.0	

PERIOD: (PRIMARY) 1923-1973 (OVER-ALL) 1855-1973

TABLE 1

AREA 0006 CAPE BLANC 20.4N 18.0W

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

			P	RECIPI	TATIO	N TYPE					DTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	ND SIG WEA
N NE	.2	.1	.0	.0	.0	•0		.3	.2	.6	1.0	.0	1.7	.8	95.6
	.1	• 1			.0	•0	.0	• 2	• 2	.4	1.2	.0	2.2	1.2	94.7
E	.1	.5	.1	.0	.0	.0	.0	.7	.0	.5	2.6	.0	7.5	3.6	85.2
SE	.0	.9	1.8	.0	.0	•0	.0	2.7	1.8	2.7	.9	.0	6.3	.0	85.7
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.4	.0	5.7	.0	90.9
SW	.0	2.0	.0	.0	.0		.0	2.0	.0	.0	2.9	.0	2.0	.0	93.2
W	.0	2.1	.0	.0	.0	•0	.0	2.1	2.6	1.1	.0	.0	.0	.0	94.2
NW	1.1	.7	.0	.0	.0	.0	.0	1.9	1.9	.1	2.5	.0	. 2	.5	93.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.8	.0	1.2	.0	1.2	.8	96.1
TOT PCT	8444	•2		.0	.0	•0		.4	•2	.5	1.3	.0	2.4	1.2	94.1

TABLE 2

PERCENT	FREQUENCY	nF	WEATHER	DECURRENCE	BY	HUUB

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHENO	MENA	
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	NO SIG WEA
00603 06609 12615 18621	.2 .3 .1	·1 ·2 *	.1 .0	.0	.0	•0	•0	.4 .6 .1 .3	.2 .2 .3	.6 1.0 .0 .2	1.0 1.3 1.1 2.0	.0	2.2 1.6 2.2 3.5	1.0 1.1 1.0 1.7	94.6 94.2 95.3 92.0
TOT PCT	8621	•2		.0	.0	•0		.4	•2	.5	1.3	•	2.4	1.2	94.0

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		WI	ND SPE	ED (KN	DTS)								HOUR	(GMT)			
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	FREQ	SPD	00	0.7	06	09	12	15	18	21
N NE	1.3	10.5	12.5	1.2	*	.0		25.6	11.7	31.5	32.3	25.3	14.6	19.1	24.0	31.8	25.0
E	.6	4.6	5.4			.0		11.8	12.6	8.3	9.8	11.2	18.0	14.9	11.3	9.8	12.3
SE	.3	. 8	.3	.1	*	.0		1.4	8.1	1.0	.0	1.2	2.2	2.0	1.2	1.1	1.9
S	.3	.4	.1	*		.0		.8	5.9	.7	.0	.7	1.1	1.0	.5	.7	1.2
SW	.3	.4	.1	*	.0	.0		.8	6.3	.8	.0	1.0	1.1	. 8	. 1	.6	1.2
W	.2	.6	.2	*	.0	.0		1.0	7.3	1.0	1.1	1.0	1.0	.9	. 8	1.3	. 8
NW	.4	1.2	.4	*	.0	.0		2.0	7.8	2.3	2.3	1.8	1.4	1.7	2.0	2.6	2.4
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	2.8							2.8	.0	3.2	1.7	2.8	1.9	2.7	.0	3.3	2.6
TOT OBS	1139	5656	7562		42	0	15618		12.2	3079	174	3086	1378	3274	184	3073	1370
TOT PCT	7.3	36.2	48.4	7.8	. 3	-0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WND DIR	0-6	WIND 7-16	SPEED 17-27	(KNDTS) 28-40	41+	TOTAL	PCT	MEAN SPD	00	HDUR 06 09	12 15	18
						-		-				
N	5.2	15.1	5.1	.2	.0		25.6	11.7	31.5	22.0	19.3	29.7
NE	6.1	30.5	15.8	1.2	*		53.6	13.5	51.3	56.2	57.2	49.9
E	2.3	6.1	3.2	.3	.0		11.8	12.6	8.4	13.3	14.7	10.6
SE	. 8	.5	.1	*	.0		1.4	8.1	.9	1.5	1.9	1.4
5		. 2			.0		.8	5.9	.7	. 8	1.0	.9
SW	.5	. 3		.0	.0		. 8	6.3	.8	1.0	.8	.8
W	.6	.4	.1		.0		1.0	7.3	1.0	1.0	.9	1.1
NW	1.1	.4	. 2	*	.0		2.0	7.8	2.3	1.7	1.7	2.5
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	2.8						2.8	.0	3.1	2.5	2.6	3.1
TOT DBS	3115	8414	3813	272	4	15618		12.2	3253	4464	3458	4443
TOT PCT	19.9	53.9	24.4	1.7	*		100.0			100.0		

DECEMBER

PERIOD: (PRIMARY) 1923-1973 (OVER-ALL) 1855-1973

TABLE 4

AREA 0006 CAPE BLANC 20.4N 18.0W

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND	SPEED (KNOTS) 34-47	48+	MEAN	PCT	TOTAL
60300	3.1	4.1	35.9	50.1	6.5	.2	.0	12.1	100.0	3253
90300	2.5	4.4	35.0	49.5	8.3	.2	.0		100.0	4464
12615	2.6	4.0	33.3	50.2	9.4	.4	.0		100.0	3458
18621	3.1	5.2	39.9	44.6	7.0	.2	.0		100.0	4443
TOT	443	696	5656	7562	1219	42	0	12.2	-	15618
PCT	2.8	4.5	36 2	48.4	7.8	. 3	.0		100.0	

TABLE

TABLE 4

	14066 3							TABLE 0											
	PCT F	REQ			D DIREC		EIGHTHS)	PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION											
WND DI	R 0-	2	3-4	5-7	BSCD	TOTAL	CLOUD COVER	000 149	150 299	300 599	600 999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8	
N	22.	5	3.8	4.8	1.3		1.9	1		.0	.2	.5	.8	.6	.2	.2	7	29.0	•
NE	34.		6.7	8.2			2.1			.1	.5	1.1	1.2	1.0	.4	.4	1.0		
E	5.		1.0	1.2			2.1		.0		.1	.1	.2	.1		.0	.1	7.2	
SE				.1			2.6	.0	.0	.0				.0	.0	.0		.4	
S		2	.1	.1			3.0	.0	.0	.0	.0		.0		.0	.0		.3	
SW			.1	.1			2.4	.0	.0	.0	.0				.0	.0		.3	
W			. 2	.3	*		2.8	.0	.0	.0	.0		*		.0		-0		
NW	1.	2	.4	.5	.2		2.8		.0	.0		.1	.1	.1		-		1.9	
VAR			.0	.0			.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	40	
CALM	2.		. 2	.4	.,		1.3		• •							1	.0	3.0	
TOT DE			879	1100	359	7060	2.0	11	2	6	61	140	174	133	44	47	133	6308	7040
TOT PO			2 5	15 6	5 1	1000		11	3		01	2.0	117	100	44	41	133	0300	7060

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

					VSBY (NM)			
CE	ILING	= OR	· DR	- OR	· DR	■ nR	= OR	• DR	- DR
(F	EET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
- OR	>6500	2.1	2.5	2.6	2.6	2.6	2.6	2.6	2.6
· OR	>5000	2.7	3.1	3.2	3.2	3.2	3.2	3.2	3.2
- OR	>3500	4.3	4.9	5.1	5.1	5.1	5.1	5.1	5.1
= OR	>2000	6.5	7.4	7.6	7.6	7.6	7.6	7.6	7.6
- OR	>1000	8.4	9.4	9.7	9.7	9.7	9.7	9.7	9.7
= OR	>600	9.1	10.2	10.5	10.5	10.5	10.6	10.6	10.€
. DR	>300	9.2	10.3	10.6	10.6	10.6	10.6	10.6	10.6
= DR	>150	9.2	10.3	10.6	10.7	10.7	10.7	10.7	10.7
. OR	> 0	9.2	10.4	10.8	10.8	10.8	10.8	10.8	10.8
	TOTAL	661	746	773	775	775	776	777	777

TOTAL NUMBER OF OBS: 7174

PCT FREQ NH <5/8: 89,2

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 085C0 085 59.8 12.2 7.3 5.7 3.6 2.4 2.9 2.8 3.2 .1 7427

D				

AREA 0006 CAPE BLANC 20.4N 18.0W

PERIOD:	(PRIMARY)	1923-1973	-	TABLE 8	

			ERCENT		PITATI	ON WIT	H VAR	YING V	ALUES	F VIS	IBILIT	Y	
VSBY (NM)		Ń	NE	E	SE	5	SW	W	NW	VAR	CALM	PCT	TOTAL
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	NO PCP				.0			.0		.0	.0	.1	
	TOT &				.0			.0		.0	.0	.1	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	NO PCP	.1	.3	1		.0	.0	.0		.0	.0	.5	
	TOT &	.0 .1	.0	:1		.0	.0	:0		.0	.0	.5	
	PCP	.0	.0		.0	.0	.0	.0	.0	.0	.0		
1<2	NU PCP	.1	.3	. 2	.1	*		.0	.0	.0	*	.7	
	TOT %	.1	.3	.2	.1			.0	.0	.0		:7	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	NO PCP	.5	1.1	.4			.0		*	.0	.1	2.2	
	TOT % .	.5	1.1	.4	*		.0		*	.0	.1	2.2	
	PCP	.1	.1	.1		.0	*			.0	.0	.3	
\$<10	NO PCP	4.6	7.2	1.9	.2	.1	.2	.2	.3	.0	.7	15.5	
	TOT %	4.7	7.3	2.0	.?	.1	.2	.2	.4	.0	.7	15.8	
	PCP			.0	.0	.0	.0	.0		.0	.0	.1	
10+	NO PCP	26.8	42.1	5.7	:4	.3	.4	.9	1.9	.0	2.3	80.6	
	TOT *	26.8	42.1	5.7	.4	.3	.4	.9	1.9	•0	2.3	80.7	
	TOT OBS												8436
	TOT PCT	32.2	51.1	8.4	.7	.5	.6	1.1	2.4	.0	3.0	100.0	

TABLE 9

							HOLE	,					
*				PERCENT	FREQ						ED		
VSBY (NM)	SPD	N	NE	E	SE	s	SW	W	NW	VAR	CALM	PCT	TOTAL
	0-3	.0	*	.0	.0	.0	.0	.0	.0	.0	.0		
<1/2	4-10	*	*	*	*	*	*	.0	*	.0		.1	
	11-21	*		.0	.0	.0	.0	.0	*	.0			
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	*			*	*	*	.0	*	.0	.0	.1	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	4-10		.1	*	*	*	.0	.0		.0		.2	
	11-21		.1	*		.0	.0	.0		.0		.2	
	22+	*	*	*	.0	.0	.0	.0	.0	.0		.1	
	TOT *	.1	•2	.1	*	*	.0	.0	*	.0	.0	.4	
	0-3	.0	.0		*	*	.0	.0	.0	.0		.1	
1<2	4-10	.1	.2	.1	.0	*	*	.0	.0	.0		.4	
	11-21	*	.1	.1	*	.0	.0	.0	.0	.0		.3	
	22+	*	*	.0	*	.0	.0	.0	.0	.0		.1	
	TOT %	.1	.3	• 2	*	*	*	.0	.0	.0	*	.8	
	0-3	*			.0		.0	.0		.0	.1	.2	
2<5	4-10	.2	.4	.2	*	*	.0	*	*	.0		. 8	
	11-21	.2	.6	.3	*	.0	.0	.0	*	.0		1.1	
	22+	*	. 2	.1	*	.0	.0	.0	.0	.0		.3	
	TOT %	.5	1.2	.6	*	*	.0	*	•	.0	.1	2.5	
	0-3	.2	.2	.1		.1	*		.1	.0	.7	1.3	
5<10	4-10	1.8	2.9	.8	. 2	.1	.1	.1	.2	.0		6.2	
	11-21	1.7	3.7	1.0	.1	.0	*	*	.1	.0		6.5	
	22+	.3	. 8	.2	*		*	.0	*	.0	.7	1.2	
	TOT %	4.0	7.5	2.1	• 2	• 2	• 2	.2	.3	.0	.,	15.3	
	0-3	1.1	.8	.3	.1	.1	.1	.1	.3	.0	2.1	5.0	
10+	4-10	9.5	14.5	2.6	.3	. 2	.2	.5	1.1	.0		29.1	
	11-21	12.3	24.9	3.3	.1	*	*	.1	.3	.0		41.2	
	22+	1.1	3.9	.6	*	.0	*	*		.0		5.7	
	TOT %	24.0	44.1	6.8	.6	.4	. 4	.8	1.7	•0	2.1	81.0	
	OT OBS												11590
T	OT PCT	28.7	53.3	9.8	.9	.6	.6	1.0	2.1	.0	2.9	100.0	

DECEMBER

PERIOD:	(PRIMARY)	1923-1973
	(OVER-ALL)	1855-1973

TABLE 10

AREA 0006 CAPE BLANC 20.4N 18.0W

PERCENT	FREQUENCY	OF	CEILING	HEIGHTS	(FEET, NH	>4/81	AND
	OCCIII	200	NCE DE NI	1 /5/3 "	Unite		

HOUR (GMT)	000 149	150 299	300 599	999	1000	2000 3499	3500 4999	5000	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL
00603	.1	.1	.2	1.0	1.9	2.3	1.5	.5	.6	1.5	9.5	90.5	1774
90360	.2	.1	.0	.7	2.1	2.8	1.1	.4	.4	1.8	9.6	90.4	1769
12615	.1	.0	.1	.8	2.5	2.5	2.3	.6	.7	2.0	11.5	88.5	1994
18621	.2	.1	.1	.9	1.8	2.1	2.4	.9	.9	2.1	11.6	88.4	1822
TOT PCT	11	.1	6	63	151	180	136	44	49	135	779	6580 89.4	7359

TABLE 11

TABLE 12

		PERCENT	FREQUEN	CY VSB	(NM)	BY HOUR		CUMULAT	TVE PCT	FREQ IG HGT	OF RAN	GES OF NH >4/8	VSBY (NM)	AND/OR
HOUR (GHT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL DBS
00603		.3	.5	2.6	14.3	82.3	2619	£0300	.1	.3	3.8	8.2	88.1	1728
06609	.2	.4	.5	2.1	17.0	79.8	3146	90360	•2	.3	2.7	8.7	88.6	1724
12615	.1	.3	.6	2.5	13.1	A3.4	2822	12615	.1	.3	3.4	10.4	86.2	1937
18621	•1	.6	1.3	2.8	16.9	78.2	3180	18621	• 2	.4	4.1	10.1	85.7	1785
TOT	14	48	87	294	1819	9505	11767	TOT	11	25	251 3.5	673	6250 87.1	7174

TABLE I

ABLE 1

TABLE 13															TABLE	14				
	PERCI	ENT FR	EQUENC	Y UF R	ELATIV	E HUMI	DITY B	Y TEMP	TOTAL	PCT		PERC	ENT FRE	EQUENCY	OF W	IND DI	RECTIO	N BY	TEMP	
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100		FREQ	N	NE	E	SE	5	SW	×	NW	VAR	CALM
80/84	.0	.0	.0		*			.0	8	.1		.1			.0	.0	.0	.0	.0	.0
75/79		.0	.1	.3	.6	1.0	.5	.1	171	2.7	.7	1.4	.4		*	*	*	.1	.0	
70/74	.0	*	.8	3.0	7.1	9.2	4.5	1.4	1639	26.0	7.9	13.5	2.7	.2	.1	.1	.4	.6	.0	.4
65/69	.0	*	.7	3.2	8.8	19.1	16.7	5.4	3407	54.0	16.5	28.9	4.9	.3	.4	.3	.6	1.2	.0	.9
60/64	.0	.0	.1		1.8	4.7	7.2	2.9	1087	17.2	5.5	9.9	1.1	.1		.1	.1	.3	.0	.2
55/59	.0		.0	.0	.0	.0			2		.0		.0	*	.0	.0	.0	.0	.0	.0
TOTAL	1	2	109	448	1160	2147	1829	618	6314	100.0										
PCT			1.7	7.1	18.4						30.6	53.7	9.1	.6	.5	.5	1.2	2.2	.0	1.5

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL
(GMT)									OBS
60300	79	75	73	67	62	57	54	67.0	3286
90300	35	75	73	67	62	57	50	66.9	4502
12615	84	79	76	69	63	61	56	69.2	3433
18621	86	79	75	69	64	61	55	68.9	4428
TOT	86	78	74	68	63	59	50	68.0	15649

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

JR 0-29 30-59 60-69 70-79 80-89 90-100 MEAN TOTAL
(17) 085
103 .0 4.2 11.4 34.4 36.8 13.2 79 1578
109 .0 9.3 14.2 29.8 33.0 13.8 77 1600
115 .0 13.4 25.4 35.2 20.7 5.3 72 1635
121 .1 7.9 21.7 36.1 26.0 8.2 75 1625
117 1 562 1174 2182 1871 648 75 6438

DECEMBER

PERIOD: (PRIMARY) 1923-1973 (DVER-ALL) 1855-1973

TABLE 17

AREA 0006 CAPE BLANC 20.4N 18.0W

PCT	FREQ	QF	AIR	TEMPERATURE	(DEG	FI	AND	THE	OCCURRENCE	OF	FOG	CHITHOUT	PRECIPITATION)

			VS	AIR-	SEA T	EMPERA	TURE	DIFFE	RENCE	(DEG F)		
AIR-SEA	49	53	57	61	65	69	73	77	81	TOT	W	WD
THP DIF	52	56	60		68	72	76	80	84		FOG	FOG
20/22	.0	.0	.0	.0	.0	.0	.0	.0		1	.0	
17/19	.0	.0	.0	.0	.0	.0	.0	.0	*	1	.0	
14/16	.0	.0	.0		.0			.1	.1	14	.0	.3
11/13	.0	.0	.0	.0	*	*	.2	.1		28	*	.3
9/10	.0	.0	.0		.1	.1	.3	.1	*	42	*	.5
7/8	.0	.0	.0		.1	.4	.2	.1	*	72	*	.9
6	.0	.0	.0	.0	.2	.6	.3	.2	.0	87	*	1.1
5	.0	.0	.0	.1	.7	.8	.4	.2		181	*	2.3
4	.0	.0	.0	.3	1.5	1.1	.5	.1	*	272	.1	3.4
3	.0	.0	.0	.5	2.2	1.6	.5	.1	.0	385	.2	4.8
2	.0	.0	.0	1.3	3.7	2.4	. 8	.1	*	648	.1	8.1
1 0	.0	.0	*	2.5	5.3	3.5	1.3	.1	*	994	.1	12.6
	.0	.0	*	3.9	6.3	4.5	1.1	.1	*	1251	.2	15.7
-1	.0	.0	.1	2.9	6.0	4.3	1.0	*		1116	.2	14.0
-2	.0	.0	.4	2.7	5.0	3.3	.4	.1	.0	931	.2	11.7
-3	.0	.0	.2	1.6	4.2	2.5	.3	.0	.0	690	.1	8.7
-4	.0	*	.5	1.6	2.4	1.3	.1	.0	.0	462	.1	5.8
-5	.0	.1	.4	1.0	1.6	.8	.1			303	.1	3.8
-6	.0	*	.2	.5	.8	.3	.1	*	.0	138	*	1.7
-7/-8	.0	-1	.3	.7	.5	.2	.0	.0	.0	139		1.8
-9/-10	.0	.1	.2	.2	.2		.0	.0	.0	53	.1	.6
-11/-13	.0	.1			.1	*	.0	.0	.0	27	*	.3
-14/-16	*	*		.0	*	.0	.0	.0	.0	8	.0	.1
-17/-19	.0		.0	.0	.0	.0	.0	.0	.0	1	.0	
TOTAL	3		175		3210		580		23		111	7733
		31	-	1564		2167		91		7844		
PCT	*	.4	2.2		40.9	27.6	7.4	1.2	. 3	100.0	1.4	98.6

PERIOD: (OVER-ALL) 1963-1973

TABLE 18
PCT FREO OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N 22-33 .0 .0 .2 .5 .5 .4 .2 .1 .0 .0 .0 .0 .0 11-21 2.5 7.3 5.5 2.6 .7 .4 .1 .0 .0 .0 .0 .0 .0 HGT
<1
1-2
3-4
5-6
7
8-9
10-11
12
13-16
17-19
20-22
23-25
26-32
23-40
41-48
49-60
61-70
71-86
87+
TOT PCT 48+ PCT 2.3 11.6 16.4 10.7 5.8 2.1 1.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 4-10 1.8 7.6 4.4 1.0 .0 .0 .0 .0 .0 .0 .0 .0 HGT
<1 2
3-4
5-6
7
8-9
10-11
12
13-16
17-19
20-22
23-25
26-32
33-48
49-60
61-70
71-86 48+ 48+ 1-3

PERIOD:	(DVE	R-ALL)	1963-1	973					DECEMBER				ARFA	0006	APF BL	ANC
- EN100.			1,03-1	.,,,				TABLE	18 (CON	(1)				20.4		.OW
				PC	T FREQ	OF WIND	SPEED	(KTS)	AND DIRE	CTION	VERSUS	SEA HEIG	SHTS IFT)		
				s								22-33				
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10			34-47	48+	PCT	
<1		• 1		.0	.0	.0	.1		*	• !			.0	.0	.1	
1-2	.0	•1	.0	.0	.0	.0	.1		.0	•1			.0	.0	.1	
3-4 5-6	.0	.0	.0	.0	.0	.0	.0		.0	- 1			.0	.0		
7	.0	.0	.0		.0	.0	.0		.0				.0	.0		
8-9	.0	.0	.0	.0	.0	:0	.0		.0				.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0		.0				.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0		.0				.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0		.0				.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0		.0				.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0		.0				.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0		.0	. (.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0		.0				.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0		.0	. (.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
TOT PCT	*	•2			•0	.0	.3		*	• 2	2 .1	*	.0	•0	.3	
				u								NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	49+	PCT		1-3	4-10	11-21		34-47	48+	PCT	PCT
<1	.1	.1	.0	.0	.0	.0	.2		.2	• 1	*		.0	.0	.3	
1-2	*	.3	*	.0	.0	.0	.4		.1	.6			.0	.0	.9	
3-4	.0	.1		.0	.0	.0	.1		.0		2	.0	.0	.0	.5	
5-6	.0		.0	.0	.0	.0			.0	• 1	1	.0	.0	.0	.2	
7	.0	.0	.0	.0	.0	.0	.0		.0	*			.0	.0	.1	
8-9	.0	.0	.0	.0	.0	.0	.0		.0	.(.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0		.0	.(.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0		.0	.(.0	.0	•0	
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.(.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0		.0	. (.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.(.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0		.0	• 0			.0	.0	0	
33-40	.0	.0	.0	.0	.0	.0	.0		.0	• 0			.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0		.0	• 0			.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0		.0	• (.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0		.0	• (.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0		.0	. • (.0	.0	.0	
TOT PCT	• 1	.6	.1	.0	.0	.0	.7		.3	1.1	6	*	.0	.0	1.9	95.7

	MIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	6.3	4.6	.5	.0	.0	.0	11.3	303
1-2	1.1	16.2	6.8	.0	.0	.0	24.1	
3-4	• 1	8.8	20.1	1.1	.0	.0	30.1	
5-6	•0	2.0	15.1	1.7	.1	.0	18.8	
7	*	.4	7.4	2.1	.0	.0	9.8	
8-9	•0	.1	2.0	1.3	*	.0	3.4	
10-11	.0	.0	1.1	.5	*	.0	1.7	
12	.0	.0	.2	.2	*	.0	.5	
13-16	•0		*	*	.1	.0	.2	
17-19	•0	.0	*	.1	*	.0	.1	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	•0	.0	.0	.0	.0	.0	.0	
26-32	•0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	. 0	.0	.0	.0	
41-48	•0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								4965
TOT PCT	7.5	22.0	53.2	7.0	3	- 0	100.0	

PERIOD: (PRIMARY) 1921-1973 (OVER-ALL) 1854-1973

TABLE I

AREA 0006 CAPE BLANC 20.3N 18.1W

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

			,	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN	DRZL	FRZG	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	NO SIG WEA
N NE	:1	:1	:1	.0	.0	•0	:	.3	.1	.6	4.1	.1	5.9		87.8
E SE	1.2	1.9	.3	.0	.0	.0	.0	2.1	.5	1.5	3.1	.1	6.4	1.2	89.6
SW	1.5	.4	.6	.0	.0	•0	.0	2.4	1.1	2.4	4.6	•1	6.7	3.2	78.3
W NW	.3	8.	.3	.0	.0	.0	.0	1.4	.7	1.1	7.5	.1	6.6	1.0	83.7
VAR	.0	.2	.0	.0	.0	.0	.0	.6	.0	.8	5.3	•1	5.9	1.2	85.3
CALM	.1		.1	.0	.0	•0	.0	.2	.2	.7	9.8	•1	4.2	1.2	83.6
TOT PCT	94835	• 2	.1	.0	.0	•0	*	.5	•2	.7	4.1	1	5.7	1.3	87.6

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			Р	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHENO	MENA	
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	ND SIG WEA
00603 06609 12615 18621	.2	·2 ·2 ·1 ·1	.1 .2 .1	.0	.0	•0	.0	.5 .7 .4	.2 .3 .2 .1	1.3	3.1 4.2 4.1 4.9	.1 .1	4.6 4.2 6.2 7.6	1.3 1.0 1.3 1.7	89.0 88.3 87.8 85.0
TOT PCT TOT DBS:	96698	• 2	•1	.0	.0	•0	*	.5	•2	.7	4.1	.1	5.7	1.3	87.5

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WND DIR	0-3	4-10	ND SPE	ED (KN 22-33	34-47	48+	TOTAL	PCT	MEAN SPD	00	03	06	HOUR 09	(GMT) 12	15	18	21
N NE	1.1	12.9	23.9	4.5	:1	.0		42.4	13.4	46.7	51.7			38.7	50.7	46.7	40.1 43.8
E SE	.1	2.0	2.1	.4	:	. ^		4.8	11.9	3.5	2.4		7.1	6.2	4.4	4.2	5.0
S	.2	.5	.1			.0		.8	8.8	.5	.6	.7	1.0	1.1	1.2	.7	. 7
SW	.2	.6	.2			.0		1.0	7.6	1.0		1.0		.9	1.0	1.0	1.0
NW	.3	2.9	1.7	.2	:	.0		1.6	7.1	1.7	1.3	1.5	1.4	1.4	1.6	1.7	1.7
VAR	.0	.0	.0	.0	.0	.0		5.2	9.2	5.5	6.0	5.1	4.1	4.5	5.0	5.8	5.5
TOT OBS	2.0							2.0	.0	2.5	3.3	2.4	1.1	1.9	1.0	2.1	1.4
TOT PCT	5.5	31.7	,52.5	10.1	.2	*	178986	100.0	13.1	34850 100.0				36960	2211	35342	16272

T.D. F 34

WND DIR	0-6	7-16	SPEED 17-27	(KNOTS) 28-40	41+	TOTAL	PCT	MEAN SPD		00	HDUI 06 09	R (GMT 12 15	18 21
N	5.1	22.7	13.8	.8	*		42,4	13.4		47.0	39.2	39.4	44.6
NE	3.9	21.7	14.8	.9	*		41.4	14.3		37.5	44.7	4: 7	39.1
E SE	1,0	2.5	1.2	.1	*		4.8	11.9		3.4	5.3	6.1	4.4
SE	.4	.3	. 1	*	*		. 8	8.8		.5	.8	1.1	.7
S	.5	.3	.1	*	.0		. 8	8.1		. 8	.7	1.0	. 8
SM .	.5	.4	.1				1.0	7.6	3	1.0		.9	1.0
W	.9	.6	.1	*	.0		1.6	7.1		1.7	1.5	1.4	1.7
NW	1.7	2.8	.6	*	.0		5.2	9.2		5.6	4.8	4.6	5.7
VAR	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	
CALM	2.0		•		••		2.0	.0		2.5	2.0	1.8	1.9
TOT DBS						178986		13.1		36864	51337		
TOT PCT	16.1	51.4	30.6	1.9	*		100.0					39171	100-0

ANNUAL

PERIOD: (PRIMARY) 1921-1973 (OVER-ALL) 1854-1973

TABLE 4

AREA 0006 CAPE BLANC 20,3N 18.1W

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

				WIND	SPEED (KNOTS)			PCT	TOTAL
HOUR	CALM	1-3	4-10		22-33		48+	MEAN	FREQ	OBS
00603	2.5	3.2	31.6	52.5	9.9	.2		13.1	100.0	36864
90330	2.0	3.3	31.7	52.2	10.6	:2				51337
12615	1.8	3.6	30.6	53.0	10.7	.3	.0	13.4	100.0	39171
18&21 TOT	1.9	3.6	32.7	52.3	9.3	•1	.0		100.0	51614 178986
PCT	2.0	3.4	31 7	52 E	10.1	2		13.1	100 0	110900

TABLE 5

TABLE 6

P	CT FRE			CLOUD A		EIGHTHS)			PERCEN	TAGE F	REQUEN	ICY OF	CEILIN NH <5/	G HEIG	HTS (F	T,NH :	94/8) JN	
WND DIR	0-2	3-4	5-7	8 & DBSCD	TOTAL	CLOUD COVER	000	150	300 599	600	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	
N	34.3	5.3	7.1	4.1		2.0	.2		.2	.8	1.9	1.8	.8	.3	.3	.9	43.6	
NE	21.1	4.3	5.5	2.5		2.4	.1	*	.1	.5	1.5	1.2	. 7	.3	.2	.5	28.2	
E	2.0	.4	.6	.3		2.7	*	.0	*	*	.1	.1	. 1		*	.1	2.7	
SE	.3	.1	.2	.1		3.8					.1							
S	.5	.1	.2	.1		2.9				-	*	,	-		-	- :	• 4	
SW	.5	.2	.2	1		3.0			1	-		• 1					• /	
	.7	.2	.3	3		3.2		.0		-	• 1						.8	
NW	3.2	.7	1.1	• -				.0		•	.1	• 1			*		1.2	
VAR						2.6			*	• 2	.4	.3	.1	*	.1	.1	4.5	
	.0	.0	.0	.0		•0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	1.9	.2	.4	.2		1.9	.1	*	*	*	.1	.1	*	*	.1	*	2.3	
TOT OBS					76999	2.3												76999
TOT PCT	64.4	11.5	15.6	8.5	100.0		.4	.1	.3	1.7	4.2	3.8	1.9	.7	.7	1.8	84.4	100.0

TABLE 7 CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

				VSBY (NH	1)			
CEILING	= OR	* DR	= DR	■ DR	= DR	= DR	= DR	= DR
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
= DR >6500	1.4	2.3	2.5	2.5	2.5	2.5	2.5	2.5
# DR >5000	1.9	2.9	3.2	3.2	3.2	3.2	3.2	3.2
= OR >3500	3.1	4.7	5.1	5.1	5.1	5.1	5.1	5.1
= DR >2000	5.4	8.1	8.8	8.9	8.9	8.9	8.9	8.9
■ DR >1000	7.9	12.1	13.0	13.1	13.1	13.1	13.1	13.1
# DR >600	8.8	13.6	14.7	14.8	14.8	14.8	14.8	14.8
= UR >300	8.9	13.8	15.0	15.1	15.1	15.1	15.1	15.1
■ DR >150	8.9	13.9	15.0	15.1	15.1	15.2	15.2	15.2
# DR > 0	8.9	14.0	15.3	15.4	15.4	15.5	15.6	15.6

TOTAL NUMBER OF OBS: 78119 PCT FREQ NH <5/8: 84.4

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 DBSCD DBS 55.9 10.7 7.3 5.5 4.1 2.8 3.6 3.7 6.0 .4 81542

44	161	61	

PERIOD: (PRIMARY) 1921-1973		AREA 0006 CAPE BLANC
(OVER-ALL) 1854-1973	TABLE 8	20.3N 18.1

		,	ERCENT	PRECI	PITAT	ION MI	TH VAR	YING V	ALUES	BF VIS	IBILI.	TOKKENC	EUF
VSBY (NM)		N	NE	F	SE	5	SW	W	NW	VAR	CALM	PCT	TOTAL
	PCP		.0	.0		.0	.0	.0	.0	.0	.0	*	
<1/2	NO PCP	.1			*			*		.0		. 2	
	TOT %	.1						*		.0	*	.2	
	PCP		.0			• •				.0	.0		
1/2<1	NO PCP	.6	.4	. 1			*	*	.1	.0	*	1.3	
	TOT %	.6	.4	:1	*				.1	.0	*	1.3	
	PCP			.1					.0	.0	.0		
1<2	NO PCP	.6	. 4	.1	*		*	*	. 1	.0	*	1.2	
	TOT %	.6	. 4	.1	*				.1	.0		1.2	
	PCP			.2			*			.0		.1	
2<5	NO PCP	2.5	1.1	.2	*		.1	.1	.4	.0	.2	4.6	
	TOT %	2.5	1.1	.2	*		.1	.1	.4	.0	.2	4.6	
	PCP	.1	.1							.0		.3	
5<10	NO PCP	15.2	8.7	. 9	.2	. 2	.3	.6	1.9	.0	.6	28.6	
	TOT %	15.3	8.8	:9	• 2	.3	.3	.6	2.0	.0	.6	28.8	
	PCP					*	*			.0		.1	
10+	NO PCP	30.9	23.3	2.1	.4	.6	.6	.9	3.2	.0	1.7	63.8	
	TOT %	31.0	23.3	2.1	.4	.7	.6	.9	3.2	.0	1.7	63.9	
	TOT DBS												94656
	TOT PCT	50.0	33.9	3.4	.7	1.0	1.0	1.7	5.8	.0	2.5	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

				,	ITH VA	KYING	VALUE	S UF V	121911	111			
VSBY (NM)	SP0 KTS	N	NE	Ε	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL
	0-3		*	*		*	*	*	*	.0	*	.1	000
<1/2	4-10				*	*	*	*		.0		.1	
	11-21	*	*		*	.0	*	.0	*	.0		.1	
	22+		*	.0	*	.0	.0	.0	*	.0		*	
	TOT %	.1				*	*	*	*	.0	*	.2	
							*			.0	*		
1/2<1	0-3	.1	.1	:	.0		*	*		.0		,3	
1/241	4-10	.3	*1				*		*	.0		.5	
	11-21		*2	:					*	.0		.1	
	22+	. 1				.0			.1		*	1.0	
	TOT %	.5	.3	*			•	•	.1	.0	•	1.0	
	0-3	*	*		*	*	*	*	*	.0	*	.1	
1<2	4-10	.1	.1		*	*	*	*	*	.0		.4	
	11-21	.3	.2		*	.0	*	*	*	.0		.5	
	22+	.1	*	*	*	*	.0		*	.0		.1	
	TOT %	.5	.4	.1	*	*	*		.1	.0		1.1	
	0-3	.1			*					.0	.2	.4	
2<5	4-10	.6	.4	.1	*	*	*	.1	.2	.0		1.4	
2.0	11-21	1.3	.7	.1	*	*	*	*	.1	.0		2.2	
	22+	.3	. 2		*	*				.0		.5	
	TOT %	2.3	1,3	.3	.1	*	.1	.1	.4	.0	.2	4.6	
	0-3	.3	. 2	. 1	*	*	.1	.1	.1	.0	.5	1.4	
5<10	4-10	3.6	2.4	.4	. 1	.1	. 2	.3	.9	.0		8.1	
	11-21	8.0	5.4	.4	*	*	*	. 1	.7	.0		14.6	
	22+	1.8	1.3	.1	*	*	*	*	.1	.0	-	3.4	
	TOT %	13.7	9.3	1.0	• 2	.2	.3	.5	1.8	.0	.5	27.4	
	0-3	.8	.5	.2	.1	.1	.1	. 2	.3	.0	1.5	3.6	
10+	4-10	9.3	7.6	1.1	. 2	.3	. 4	.6	1.8	.0		21.4	
	11-21	10.6	16.0	1.1	.1	.1	. 1	. 1	.9	.0		35.1	
	22+	2.6	2.8	.2	*	*	*	*	.1	.0		5.7	
	TOT %	29.2	26.9	2.6	.4	.6	.6	.9	3.1	.0	1.5	65.7	
7	TOT DBS												130864
	TOT PCT	46.2	38.1	4.0	.7	.9	.9	1.6	5.4	.0	2,3	100.0	

A	8.0	N	×	

PERIOD:	(PRIMARY)	1921-1973
	(DVER-ALL)	1854-1973

TABLE 10

AREA 0006 CAPE BLANC 20.3N 18.1W

PERCENT	FREQUENCY	DF	CEILING	HF I GHTS	(FEET, NH	>4/8)	AND

JCCURRENCE	ne	NILL	15/2	m.V	UDITO	
OCCORRENCE	UL	14.14	(3/0	51	HOUR	

HOUR (GMT)	000 149	150 299	300 599	999	1000	2000 3499		5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL
00603	.4	*	.2	1.2	3.1	2.7	1.3	.5	.5	1.4	11.3	88.7	19049
06609	.6	.1	.5	2.3	5.7	4.4	2.0	. 8	.6	1.9	18.9	81.1	18959
12815	.4	.1	.3	1.7	4.3	4.4	2.2	. 8	. 8	1.9	16.9	83.1	21828
18621	.3	*	.2	1.4	3.5	3.2	1.9	. 8	.9	1.8	13.9	86.1	20470
TOT	.4	.1	.3	1.6	4.1	3.7	1.8	.7	.7	1.7	15.3	84.7	80306

TABLE 11

TABLE 12

											TABLE	••		
		PERCENT	FREQUEN	CY VSBY	(NM)	BY HOUR		CUMULAT					VSBY (NM)	AND/DR
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL
00603	.1	.7	.7	3.9	26.2	68.3	29288	00603	.4	.7	5.6	9.2	85.2	18445
06809	.3	1.1	1.0	3.7	28.3	65.6	35696	90360	. 7	1.4	7.5	14.8	77.8	18370
12615	.3	.8	1.1	5.8	26.2	65.8	31568	12815	.4	1.0	8.5	13.3	78.2	21274
18821	.2	1.3	1.5	4.9	28.8	63.3	36418	18821	.3	.6	7.6	11.0	81.3	20030
TOT PCT	.2	1.0	1.1	4.6	27.5	65.6	132970	TOT PCT	.4	.9	7.4	12.1	80.6	78119 100.0

TABLE 13

	PERC	ENT FR	EQUENC	Y OF R	ELATIV	E HUMI	DITY B	Y TEMP		
TEMP F	0-30	36-30	60-60	E0	60-60	70.70		90-100	TOTAL	PCT
igne r	0-29	30-37	40-49	30-57	00-09	10-14	80-09	90-100	UBS	FREG
90/94	.0	.0	.0			*		.0		
85/89	.0			*	.1	.1		*		.3
80/84	.0			.1	.5	1.6	1.3	. 2		3.8
75/79		*	*	. 2	1.0	4.6	5.0	1.5		12.4
70/74	.0		.1	.6	2.7	8.2	12.7	5.8		30.0
65/69	.0	*	.1	. 8	2.9	9.4	17.9			40.7
60/64	.0	.0		.2	. 8	2.8	5.4	3.5		12.7
55/59	.0	.0	.0	.0	*		*	*		. 1
TOTAL									72308	
PCT			.3	2.0	8.0	26.8	42.4	20.5		

TABLE 14

	PERCE	NT FRE	QUENCY	OF W	IND DI	RECTION	BY TI	EMP	
N	NE	E	SE	s	SW	W	NW	VAR	CALM
*	*	.0	.0	.0	.0		.0	.0	.0
.1	. 1	*	*	*	*	*	*	.0	*
1.6	.9	.2	.1	. 1	.1	.2	.4	.0	.1
5.8	3.8	.4	.1	.2	. 2	.4	1.3	.0	.3
14.8	10.6	1.0	. 2	.3	.3	.5	1.8	.0	.5
21.0	14.4	1.4	.2	.3	. 4	.5	1.9	.0	.7
6.2	5.3	.4	.1	.1	.1	.1	. 3	.0	. 2
*	*	*	*	.0	.0	*	*	.0	
49.5	35.2	3.5	.7	.9	1.0	1.6	5.8	.0	1.7

TABLE 15

	MEANS,	EXTREME	S AND	PERCEN	TILES	OF TEN	IP (DE	G F)	BY HOUR
HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL
00603	93	76	74	69	64	62	50	68.7	37179
06609	94	76	74	69	64	61	50	68.7	51442
12815	96	81	78	71	66	63	52	71.5	38594
18821	96	81	77	71	65	64	50	71.0	50965
TOT	AP	80	76	70	64	62	**	70.0	170100

TABLE 16

	PERC	ENT FRE	QUENCY	OF RELA	TIVE H	UMIDITY	BY HOU	R
HOUR (GMT)	J-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTA
60300	.0	.9	4.2	19.4	46.3	29.2	84	17686
06609	.0	2.0	5.2	18.6	43.9	30.2	84	18465
12615	.0	4.1	12.8	35.9	36.9	10.2	78	18671
18621	*	2.1	9.4	32.0	42.7	13.7	80	18952
TOT	1	1685	5843	19618	31336	15291	81	73774

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE N C F/G 4/2 SUMMARY OF SYNOPTIC METEOROLOGICAL OBSERVATIONS (SSMO). WEST AF--ETC(U) AD-A031 778 NOV 76 UNCLASSIFIED NL 6 of 7 ADA031778 MINE MANA

PERIOD: (PRIMARY) 1921-1973 (OVER-ALL) 1854-1973

TABLE 17

AREA 0006 CAPE BLANC 20.3N 18.1W

PCT FREQ OF AIR	TEMOCRATION	10EC E1	 OCCUPATION	 	PRECIPITATION!
LCI LWES OL WIN			OCCORRENCE		PRECIPITATION

						۸2	AIR-SE	A IEF	PERAT	OKE L	ILLE	ENCE	(DEC F)		
AIR-SEA THP DIF	49 52	53 56	57	61	65	69	73 76	77 80	81	85	89 92	>92	TOT	FOG	FOG
23/25		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		3	.0	
20/22	.0	.0	.0	.0	.0	.0	.0	.0					9	.0	
17/19		.0	.0	.0	.0							.0	39	.0	
14/16	.0	.0	.0	.0					.1				166		.2
11/13	.0	.0	.0				.1	.2	.1				469		.5
9/10	.0	.0	.0			.1	.3	.3	.1			.0	782	.1	.8
7/8	.0	.0	.0		.1	.6		.4	.1			.0	1641	.1	1.8
6	.0	.0	.0		.2	.6		.2				.0	1359	.1	1.5
5	.0	.0		.1	.6	1.3		.3	.1			.0	2996	.2	3.3
4	.0	.0		.2	1.3	2.0	1.0	.4	.2		.0	.0	4383	.3	4.8
3	.0	.0		.3	2.4	2.7		.3	.2		.0	.0	6104	.3	6.7
2		.0		1.1	4.1	3.6	1.3	.5	.3		.0	.0	9476	.6	10.4
1	.0			1.9	5.6	4.4	1.6	.7	.4		.0	.0	12613	.6	14.0
0	.0	.0		2.8	6.2	4.2	1.8	1.1	.4			.0	14321	.7	15.9
-1	.0		.1	2.3	4.5	3.1	1.8	1.0	.2		.0	.0	11276	.5	12.5
-2			.1	1.6	3.0	2.0	1.4	.9	.1		.0	.0	7904	.3	8.7
-3	.0	.0	.1	.9	1.7	1.3	1.1	.5		.0	.0	.0	4874	.1	5.4
-4	.0		.1	.8	1.0	.9	. 8	.3		.0	.0	.0	3325	.1	3.6
-5	.0		.1	.5	. 7	.6	.5	.2		.0	.0	.0	2253	.1	2.4
-6	.0			.2	.2	.3	.2	.1		.0	.0	.0	924		1.0
-7/-8	.0		.1	.3	.3	.3	.2			.0	.0	.0	1069	.1	1.1
-9/-10	.0		.1	.1	.1	.1	.1		.0	.0	.0	.0	454		.5
-11/-13				.1	•1				.0	.0	.0	.0	265		.3
-14/-16							.0	.0	.0	.0	.0	.0	122		.1
-17/-19						.0	.0	.0	.0	.0	.0	.0	34		
-20/-22	.0				.0	.0	.0	.0	.0	.0	.0	.0	12		
-23/-25	.0			.0	.0	.0		.0	.0	.0	.0	.0	3	.0	
TOTAL													86876		
PCT		.1	.7	13.1	32.2	28.0	15.5	7.4	2.5	.3			100.0	4.4	95.6

PERIOD: (OVER-ALL) 1963-1973

TABLE 1

						_										
				PC	T FREO D	FWIND	SPEED	(KTS)	AND	DIREC	TION V	ERSUS S	FA HEIG	HTS (FT)		
				N									NE			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT			1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.6	2.1	4.5	.0	.0	.0	2.9			.2	1.0	.1	.0	.0	.0	1.3
1-2	•4	7.2		.0	.0	.0	12.1			.2	4.4	2.8	.0	.0	.0	7.4
3-4	•1	4.1	11.1	.6	.0	.0	16.1				2.4	6.7	.5	.0	.0	9.6
7	:	.9	9.0	1.5	:	.0	11.3				.6	5.5	.9	:	.0	7.0
8-9	.0	.1	1.3	1.1		.0	6.2				•1	2.6	1.0		.0	3.8
10-11	.0	.:		1:1		.0	2.5			.0		.7	.6		.0	1.3
12	.0		:1	.2		.0	1.1			.0		.1	:4		.0	.7
13-16	.0		.:	.1		.0	.3			.0			:1		.0	•2
17-19	.0					.0				.0	.0				.0	
20-22	.0	.0	.0		.0	.0				.0	.0			.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.1	14.6	30.9	6.0	•1	.0	52.7			.5	8.5	18.8	3.6	.1	.0	31.5
HGT	1-3	4-10	11-21	E 22-33	34-47	48+	PCT			1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.2	11-21	.0	.0	4.0				1-3	-10	11-21	.0	.0	.0	.1
1-2	*	.6	.3	.0	.0	.0	.3			-	.2		.0	.0	.0	.2
3-4		.4	.4		.0	.0	.8			-	.1			.0	.0	.1
5-6	.0	:1	.3		.0	.0									.0	:1
7	.0	:1	.1	.1		.0	:3			.0	.0			.0	.0	
8-9	.0	.0	.:			.0				.0	.0				.0	
10-11	.0					.0				.0	.0	.0				
12	.0	.0			.0	.0				.0	.0	.0	.0	.0	.0	.0
13-16	.0		.0	.0	.0	.0				.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0				.0				.0	.0	.0	.0		.0	
20-22	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0				.0	.0	.0	.0	.0	.0	.0
TOT PCT	.1	1.4	1.2	.1		.0	2.9			.1	.3	.2				.5

DEB.100.	ERIOD: (OVER-ALL)			963-1973 AREA GOOG CAPE BLANC													
PERIOU.	(UVE	K-ALL)	1403-1	413				TABLE	18 10	DNT)				-46-4			8.14
				PC	T FREQ	OF WIND	SPEED	(KTS)	AND D	IREC	TION	VERSUS	SEA HELG	HTS (FT)		
нст	1-3	4-10	11-21	5 22-33	34-47	48+	PCT			-3	4-10	11-21	22-33	34-47	48+	PC	
<1		.1		.0	.0	.0	.2				.1	11-21	.0	.0	.0		
1-2	.i	.;	.1	.0	.0	.0	:4			.1	.3		.0	.0	.0		
3-4	.0	.1	.1		.0	.0	.,			.0	.1	.1		-0	.0		
5-6					.0	0	.1			.0				.0	.0		1
7	.0				.0	:0				.0				.0	.0		
8-9	.0	.0				.0				.0				.0	.0		
10-11	.0	.0		.0	.0	.0				.0	.0			.0	.0		
12	.0	.0	.0		.0	.0				.0	.0	.0		.0	.0		
13-16	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0		
17-19	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.(
23-25	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0)
26-32	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.()
33-40	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.(
71-86	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	. (
TOT PCT	.1	.5	•2	•		.0	.9			.1	.6	.1	•	.0	.0		
													22-33				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT			-3	4-10	11-21		34-47	48+	PC	
<1	.1	.2		.0	.0	.0	.4			.2	.5		.0	.0	.0		
1-2	.1	.5	.1	.0	.0	.0	. /			.1	1.7		.0	.0	.0	2.3	
3-4		.1	.1		.0	.0	.3			*	.7			.0	.0	1.0	
5-6			.1		.0	.0	.1			*	.1	.5		.0	.0		
7	.0				.0	.0				*			.1	.0	.0	•3	
8-9	.0			.0	.0	.0				.0				.0	.0	• 1	
10-11	.0	.0		.0	.0	.0				.0	.0			.0	.0		
12	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0		
13-16	.0	.0	.0		.0	.0				.0	.0			.0	.0		
17-19	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0		
20-22	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0		
23-25	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0		
26-32	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	• (
33-40	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0		
41-48	.0		.0	.0	.0	.0	.0			.0	.0		.0	.0	.0		
49-60 61-70	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	:	
71-86		.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	:	
87+	.0	.0	.0		.0	.0	.0			.0	.0		.0	.0	.0		
TOT PCT	.0	.9	.2	.0	.0	.0	1.4			.4	3.0		.2	.0	.0	5.	
101 701		.,			.0	.0				•	3.0	2.2	.2				,0.5

	MIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	5.3	4.4	.4	.0	.0	.0	10.1	905
1-2	1.2	15.1	8.2		.0		24.4	
3-4	•1	7.9	19.3	1.3		.0	28.6	
5-6		1.7	15.4	2.4		.0	19.6	
7		. 5	7.2			.0	10.5	
8-9		.1	2.1	1.8		.0	3.9	
10-11	.0		.7	1.1			1.9	
12	.0		.1	.3		.0	.5	
13-16	.0		.1	.2		.0	.3	
17-19	.0					.0	.1	
20-22	.0	.0			.0	.0		
23-25	•0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0		.0	.0	
33-40	.0	.0	.0			.0	.0	
41-48	.0	.0	.0			.0	.0	
49-60	•0	.0	.0		.0	.0	.0	
61-70	.0	.0	.0			.0	.0	
71-86	.0	.0	.0			.0	.0	
87+	.0	.0	.0			.0	.0	
	.0				• • •		alb. V	52983
TOT PCT	6.7	29.7	53.4	10.0	.2		100.0	13 / 10

0 0

			PERC	ENT FR	EQUENC	of Of	CURKE	NCE OF	SEA T	EMP (D	EG F)	-	тн	
SEA THP	JAN	FEB	HAR	APR	MAY	JUN	JUL	AUG	SEP	DCT	NOV	DEC	ANN	PCT
96+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
95/96	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
93/94	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
91/92	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	1	
89/90	.0	.0	.0	.0	.0	.0		.0		.0	.0	.0	2	
87/88	.0	.0	.0	.0	.0	.0						.0		
85/86	.0	.0	.0	.0	.0			.3	.4	.2			144	.1
83/84	.0	.0		.0		.1	.3	1.3	2.4	1.1	.1		728	.4
81/82						.1	1.6	6.9	9.7	6.1	1.0		3001	2.1
79/80	.1	.1	.1		.1	.2	4.3	10.7	12.2	10.1	2.4	.1	5752	3.4
77/78	.2	.1	.1	.1	.1	.6	7.2	13.2	13.9	13.7	6.5	.6	8046	4.8
75/76	.3	.3	.2	.2	.3	1.7	10.0	14.7	13.2	15.0	11.8	2.6	10111	6.0
73/74	1.4	.6	.7	.7	1.4	5.6	16.7	16.7	14.4	14.8	19.2	9.1	14569	8.6
71/72	6.3	2.8	3.4	3.1	5.8	13.9	17.3	13.4	12.5	11.9	16.7	14.8	17388	10.3
69/70	14.6	8.8	11.0	11.7	16.5	20.6	15.8	11.4	11.9	12.1	14.1	18.5	23578	13.9
67/68	25.4	23.0	23.6	23.5	23.6	22.6	13.5	8.7	7.6	10.5	13.3	19.0	30012	17.7
65/66	24.8	27.3	27.3	25.0	22.9	17.2	9.3	2.3	1.6	3.4	8.8	15.0	25767	15.2
63/64	19.2	25.4	23.8	25.4	21.5	14.3	3.7	.5	.1	.9	4.9	14.9	21531	12.7
61/62	6.4	9.7	8.1	8.8	6.9	2.7	.3			.1	.8	4.7	6750	4.0
59/60	1.1	1.8	1.5	1.3	.7	2	.1		.0		.2	.5	1025	.6
57/58	.1	.2	.1	.1	.2				.0			.1	120	.1
55/56	.1				.1		.0	.0	.0		.0		34	
53/54		.0		.0			.0	.0	.0	.0			9	
51/52			.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	
49/50		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	*
47/48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
45/46	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
43/44	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	0	.0
41/42	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
39/40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
37/38	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
35/36	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
33/34	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
31/32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
29/30	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
27/28	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
427	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	o	.0
TOTAL	12026	13165	14589	14508	14247	13879	14398	14444	13423	14566	15092	14851		
MEAN	66.4	65.5	65.8	65.7	66.4	67.9	71.4	74.2	74.8	73.8	71.2	68.0	69.2	

TABLE 21

PRESSURE (MB)

			AV	ERAGE	BY HOU	R (GM	71				
										TOTAL	
MO	0000	0300	0600	0900	1200	1500	1800	2100	MEAN	OBS	
JAN	1017	1016	1016	1018	1018	1015	1016	1017	1017	8581	
FEB	1016	1015	1015	1017	1017	1015	1015	1017	1016	9366	
MAR	1016	1015	1015	1016	1016	1015	1014	1015	1015	10389	
APR	1015	1014	1014	1016	1016	1014	1014	1015	1015	10269	
MAY	1015	1014	1014	1016	1016	1014	1014	1015	1015	10057	
JUN	1015	1014	1015	1016	1016	1015	1014	1015	1015	9887	
JUL	1014	1013	1013	1015	1015	1013	1013	1014	1014	10350	
AUG	1013	1012	1012	1013	1014	1012	1012	1013	1013	10524	
SEP	1014	1013	1013	1014	1015	1013	1013	1014	1014	9907	
DCT	1015	1014	1014	1015	1016	1014	1014	1015	1015	10506	
NOV	1016	1014	1015	1016	1016	1014	1015	1015	1015	10500	
DEC	1017	1016	1016	1017	1018	1016	1016	1017	1017	10618	
ANN	1015	1014	1014	1016	1016	1014	1014	1015	1015	120954	
085	25162	2069	25041	6869	27177	2232	25704	6700			

P	E	R	C	E	N	T	1	L	E	S

MO	MIN	1%	5%	25%	50%	75%	95%	99%	MAX
JAN	1001	1009	1011	1015	1017	1019	1023	1025	1035
FEB	1000	1009	1011	1014	1016	1018	1022	1024	1036
MAR	956	1008	1011	1013	1015	1017	1020	1022	1037
APR	1000	1007	1011	1013	1015	1017	1020	1022	1028
MAY	1000	1009	1011	1013	1015	1016	1019	1021	1028
JUN	1003	1009	1011	1013	1015	1017	1019	1021	1027
JUL	998	1007	1010	1012	1014	1016	1018	1020	1026
AUG	1000	1007	1009	1011	1013	1015	1017	1019	1026
SEP	999	1008	1010	1012	1014	1016	1018	1022	1028
DCT	996	1008	1011	1013	1015	1016	1020	1024	1031
NOV	998	1009	1011	1013	1015	1017	1020	1025	1033
DEC	APP	1009	1012	1015	1017	1019	1022	1025	1033

PERIOD: (PRIMARY) 1911-1973 (OVER-ALL) 1856-1973

0 0.

TABLE 1

AREA 0007 CAPE VERDE ISLANDS 15.5N 23.9W

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PERCENT FREQUENCY OF HEATHER DECURRENCE BY WIND DIRECTION

			,	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HATL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	
N NE	.0	.3	.3	.0	.0	.0	.0	1:3	.4	.0	4.2	.0	3.1	2.1	89.5
NE	.6	.4	.2	.0	.0	.0	.1	1.3	.2		3.6	.0	2.3	1.1	91.3
E	.3	.0	.0	.0	.0	.0	.3	.6	2.4	.9	3.8	.0	2.8	.9	88.8
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0	.0	.0	100.0
	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.4	.0	90.6
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		100.0
TOT PCT	1254	.3	.2	.0	.0	•0	.1	1.0	.5	.3	3.5	.0	2.6	1.2	91.0

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN	DKZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	ND SIG WEA
60300	.3	.3	1.0	.0	.0	.0	.0	1.6	.7	.7	3.6	.0	1.3	1.0	91.5
90300	.9	.3	.0	.0	.0	.0	.0	1.2	.9	.3	3.2	.0	2.1	.6	91.7
12615	.4	.0	.0	.0	.0	.0	.0	.4	.4	.0	2.5	.0	3.5	1.8	91.5
18621	.3	.6	.0	.0	.0	•0	.3	1.1	.0	.3	4.2	.0	3.4	1.4	89.5
TOT PCT TOT OBS:	1280	.3	.2	.0	.0	•0	•1	1.1	.5	.3	3.4	.0	2.6	1.2	91.0

TABLE 3

PERCENTAGE EREQUENCY OF WIND DIRECTION BY SPEED AND BY HOU

				FERG	LIVIAGE	FREMOE		H-140 .					uon				
WND DIR	0-3			ED (KNI 22-33		48+	TOTAL OBS	PCT	MEAN SPD	00	03	06	HDUR 09	(GMT)	15	18	21
N NE	1:2	3.7	4.9	8:7	:	.0		9.8	12.3	12.5	7.3	9.4			7.6	11.1	7.9
	4	5.3				.0		19.2	14.8	11.9		19.5				18.4	21.6
SE	.1	.6	.5	.2		.0		1.4	12.1	.,9	2.1	1.3			1.8	1.3	1.8
		.2	.1		.0	.0		.3	9.4	.2		.5	.3	.3	.2	.3	.2
SW		.2	.0	.0		.0		.3	6.1	.1	. 8	.3	.0	.4	.0	.1	.4
NW	.1	.3	.1	.0	.0	.0		.5	5.8	.5	.3	.5	.5	.6	.5	.5	.5
NW	.2	.7	.2		.0	.0		1.1	8.0	2.0	1.1	.9	.7	1.1	.8	1.3	1.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.7	- 377						:7	.0	.5	.6	1.6		.7	.5	.5	.8
TOT OBS	154	1344	2693	611	16	0	4818	1	14.1	443	486	892	580	439	440	880	658
TOT PCT	3.2	27.9	55.9	12.7		-0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WND DIR	0-6		SPEED 17-27		41+	TOTAL OBS	PCT	HEAN SPD	00	HDUF 06 09	12 15	18
N NE	1:7	33.8	2.2	2:0	.0		2.0	12.3	9.8	9.2	10.7	9.7
	2.0		7.4				19.2	14.8	18.1	20.2	17.7	19.7
SE	.3	9.0		:1	.0		1.4	12.1	1.5	1.3	1,2	1.5
-				.:	.0		.;	9.4	.3	***		2
SW	:1			.0	.0		.5	6.1		.2	.2	.2
				.0	.0		.5	5.8		.5	,5	.5
NW	:5			.0	.0		1.1	8.0	1.5		1.0	1.2
VAR	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0
CALM	.7						:9	.0	.5	1.2		.6
TOT OBS	558	2425	1686	149	0	4818		14.1	929	1472	879	1538
TOT PCT	11.4	90.3	25 0	2.1	-0		100.0		100.0	100-0	100 0	100.0

PERIOD: (PRIMARY) 1911-1973 (UVER-ALL) 1856-1973 TABLE 4

AREA 0007 CAPE VERDE ISLANDS 15.5N 23.9W

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GHT)

				WIND	SPEED (KNDTS)			PCT	TOTAL
HOUR	CALM	1-3	4-10	11-21	22-33	34-47	46+	MEAN	FREQ	085
60300	.5	2.2	30.0	54.5	12.6	.2	.0	13.8	100.0	929
96609	1.2	2.2	29.9	53.5	13.0	.3	.0	13.9	100.0	1472
12615	.6	2.5	25.1	59.0	12.3	.5	.0	14.4	100.0	879
18621	.6	2.8	26.3	57.3	12.7	.4			100.0	1538
TOT	36	118	1344	2693	611	16	0	14.1		4818
PCT	.7	2.4	27 9	55.0	12.7	. 3	.0		100.0	

TABLE !

TARLE A

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION MEAN								PERCENTAGE FREQUENCY OF CEILING MEIGHTS (FT,NH >4/B) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION											
WND DIR	0-2	3-4	5-7	8 &	TOTAL 085	CLOUD		000 149	150 299	300 599	600 999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL
N NE	36.6	11.5	3.4			3.2		:0	:0	.0	1:6	4.6	3:5	2.0	:1	:7	:8	11.0	
	4.7	2.5	2.9	1.0		3.3		.0	.0	.0	.3	.6	.9	.2	.3	.0	.0	8.7	
SE	.4	.2	.0	.2		3.1		.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.5	
S	.0	.0	.0	.0		.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
SW		.1	.0	.1		5.0		.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.1	
	.2	.2	.2	.0		3.4		.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.5	
NW	.4	.4	.5	.1		3.9		.0	.0	.0	.0	.1		.0	.0	.0	.0	1.3	
VAR	.0	.0	.0	.0		.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.4	.1	.2	.4		4.7		.0	.0	.0	.1	.1	.0	.0	.0	.1	.0	.7	
TOT OBS	417	144	208	80	849			0	1	0	21	54	44	21	10	9		681	849
TOT PCT	49.1	17.0	24.5	9.4	100.0			.0	.1	.0	2.5	6.4	5.2	2.5	1.2	1.1	.9	80.2	100.0

TABLE 7

CUMULATIVE PCT FRED OF SIMULTANEOUS DECURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

					VSBY (NH	1)			
CE	ILING	- DR	- DR	- OR	- DR	- OR	- OR	. OR	- OR
. (1	EET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
. OR	>6500	1.6	1.7	2.0	2.0	2.0	2.0	2.0	2.0
. DR	>5000	2.7	2.9	3.1	3.1	3.1	3.1	3.1	3.1
- OR	>3500	4.4	5.3	5.6	5.6	5.6	5.6	5.6	5.6
- OR	>2000	8.5	10.4	10.8	10.8	10.8	10.8	10.8	10.8
	>1000	14.0	16.6	16.9	16.9	16.9	16.9	16.9	16.9
	>600	16.6	19.3	19.6	19.6	19.6	19.6	19.6	19.6
	>300	16.6	19.3	19.6	19.6	19.6	19.6	19.6	19.6
	>150	16.7	19.4	19.7	19.7	19.7	19.7	19.7	19.7
. DR		16.7	19.4	19.7	19.7	19.7	19.7	19.7	19.7
	TOTAL	144	167	170	170	170	170	170	170

TOTAL NUMBER OF OBS: 862

PCT FREQ NH <5/8: 80.3

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 0BSCO 0BS 33.3 13.9 14.7 10.2 7.7 4.9 7.0 3.0 5.4 .0 901

PERIOD:	(PRIMARY)	1911-1973
	(OVER-ALL)	1856-1973

AREA 0007 CAPE VERDE ISLANDS 15.5N 23.9W

		,	ERCENT	PREC	OF WIND	DIRECTON WIT	TION V	ING V	ALUES	F VIS	IBILIT	URRENC	E OF
VSBY (NM)		N	NE	E	SE	5	SW	W	NW	VAR	CALM	PCT	TOTAL
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT \$.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1		.5	2.4	.6		.0	.0	.0	.0	.0	.0	3.4	
	TOT \$.5	2.4	.6		.0	.0	.0	.0	.0	.0	3.4	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<2	NO PCP	.0	.4	.2	.0	.0	.0	.0	.1	.0	.0	.6	
	TOT &	.0	.4	.2	.0	.0	.0	.0	.1	.0	.0	.6	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
245	NO PCP	.0	:7	.2	.0	.0	.0	.0	.0	.0	.0	.9	
	TOT &	.0	.7	.2	.0	.0	.0	.0	.0	.0	.0	.9	
	PCP	.1	.6	.1	.0	.0	.0	.0	.0	.0	.0	.8	
<10	NO PCP	3.3	17.0	4.9	.4		.0	.2	.6	.0	.2	26.6	
	TOT %	3.3	17.7	5.0	.4		.0	.2	.6	.0	.5	27.4	
	PCP	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.2	
10+	NO PCP	9.5	48.2	6.8	.7	.0	.3	.4	1.0	.0	.5	67.4	
	TOT &	9.5	48.5	6.8	.7	.0	.3	.4	1.0	.0	.5	67.7	
	TOT OBS												1252
	TOT PCT	13.3	69.6	12.7	1.2		.3	.6	1.7	.0	.6	100.0	

TABLE S

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED

C1/2 4-10	5
11-21 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	0 0 0 0 1 1 2
22+ .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	0 0 1 2
22+ .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	0 0 1 2
TOT \$.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	0 1 2 5
1/2<1 4-10	2 5
1/2c1 4-10	2 5
22+ .1 .4 .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	5
22+ .1 .4 .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1	
TOT \$.3 1.3 .3 * .0 .0 .0 .0 .0 .0 .0 .0 .0 1 1<2 4-10 * .1 * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 11-21 * .3 .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 11-22 * .1 .1 .0 .0 .0 .0 .0 .0 .0 .0 TOT \$.1 .5 .2 .0 .0 .0 .0 .0 .0 .0 .0 2<5 4-10 .1 .7 .2 * * * .1 .0 .0 .0 .0 .0 .0 11-21 .2 2.2 .3 .0 .0 .0 .0 .0 .0 .0 .0 2<5 4-10 .1 .7 .2 * * * .1 .0 .0 .0 .0 .0 .0 11-21 .2 2.2 .3 .0 .0 .0 .0 .0 .0 .0 .0 .0 22+ .0 .5 .2 .0 .0 .0 .0 .0 .0 .0 .0 .0 5<10 5 .2 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 5<10 6-10 .9 4.6 1.4 .2 * * 1 .3 .0 .0 .0 .1 11-21 .1 .2 1.5 10:3 2.6 .4 * * .0 .0 .1 .0 .1	9
142 4-10	
11-21	0
22+ * 1 .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	2
TOT \$.1 .5 .2 .0 .0 .0 .0 .1 .0 .0 .0 .0 .0 .1 .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	4
2<5 4-10 .1 .7 .2 * * * .1 .0 .0 .0 * .0 .1 .1 .1 .2 .2 .2 .3 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	2
11-21 .2 2.2 .3 .0 .0 .0 .0 .0 .0 .0 .2 .2 .22 .0 .5 .2 .0 .0 .0 .0 .0 .0 .0 .0 .2 .221 .3 .5 .2 .0 .0 .0 .0 .0 .0 .0 .0 .0 .4 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	•
11-21 .2 2.2 .3 .0 .0 .0 .0 .0 .0 .0 .2 .2 .22 .0 .5 .2 .0 .0 .0 .0 .0 .0 .0 .0 .2 .221 .3 .5 .2 .0 .0 .0 .0 .0 .0 .0 .0 .0 .4 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	1
22+ .0 .5 .2 .0 .0 .0 .0 .0 * .0 * .0 TOT \$.3 3.5 .7 * * .1 * * .0 * 4. 0-3 .1 .1 * .1 .0 .0 .0 .0 .0 .0 .1 5<10 4-10 .9 4.6 1.4 .2 * * .1 .3 .0 .7 11-21 1.5 10.3 2.6 .4 * .0 .0 .1 .0 14	
707 \$.3 3.5 .7 .	
0-3 ·1 ·1 * ·1 ·0 ·0 ·0 ·0 ·0 ·0 ·1 ·5 ·10 ·10 ·10 ·10 ·10 ·10 ·10 ·10 ·10 ·10	7
5<10 4-10 .9 4.6 1.4 .2 * * .1 .3 .0 7.	•
11-21 1.5 10.3 2.6 .4 * .0 .0 .1 .0 14	5
11-21 1.5 10.3 2.6 .6 # .0 .0 .1 .0 14. 22+ .3 2.1 .6 # .0 .0 .0 .0 .0 .0 3.	5
22+ .3 2.1 .6 * .0 .0 .0 .0 .0 3	
	0
TOT # 2.9 17.1 4.6 .7 .1 # .1 .4 .0 .1 25	9
0-3 .3 .7 .2 * * .1 .1 .2 .0 .5 2 10+ 4-10 3.6 12.2 2.7 .5 .1 .1 .2 .6 .0 20	
10+ 4-10 3.6 12.2 2.7 .5 .1 .1 .2 .6 .0 20	
11-21 4.4 28.8 4.5 .1 .1 .0. + .2 .0 38.	
22+ .4 5.0 .0 .0 .0 .0 .0 .0 .0	
TOT \$ 6.6 46.6 6.3 .6 .2 .2 .4 1.0 .0 .5 66	•
TOT GAS	2568
TOT PCT 12.1 69.2 14.1 1.3 .3 .3 .5 1.5 .0 .7 100	0

PERIOD: (PRIMARY) 1911-1973 (DVER-ALL) 1856-1973

TABLE 10

AREA 0007 CAPE VERDE ISLANDS

PERCENT FREQUENCY OF CEILING HFIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000	150	300 599	999	1000	2000 3499	3500 4999	5000 6409	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL DBS
00603	.0	.0	.0	1.3	5.6	3.5	3.5	1.3	.9	.4	16.8	83.2	226
90360	.0	.5	.0	4.1	7.3	5.5	2.7	1.8	1.4	.5	23.7	76.3	219
12615	.0	.0	.0	1,4	5.4	5.9	2.3	.0	.5	1.4	16.7	83.3	221
18821	.0	.0	.0	3,6	5.8	5.4	.9	1.3	1.3	1.8	20.1	79.9	224
TOT	.0	.1	.0	23	54	5.1	21	1.1	1.0	1.0	172	718 80.7	100.0

TABLE 11

TABLE 12

		PERCENT	FREQUEN	ICY VSB	(NM)	BY HOUR		CUMULAT					VSBY (NM)	
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL DBS	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00603	.0	1.6	.5	4.3	23.2	70.4	564	60300	.0	.0	1.4	16.1	82.6	218
06609	.0	1.8	1.0	3.4	27.3	66.5	732	96609	.0	.5	5.1	19.2	75.7	214
12615	.0	1.8	.6	5.3	19.9	72.5	513	12615	.0	.0	2.6	15.3	81.9	215
18621	.0	2.3	1.1	5.9	30.7	60.0	785	18621	.0	.0	5.6	15.8	78.6	215
TOT	0		22	122	674	1727	2594 100.0	TOT PCT	.0	.1	32	143	687	862

TABLE 13

TABLE 14

	PERC	ENT FR	EQUENC	Y OF R	ELATIV	-	DITY B	Y TEMP	****	PCT		PERC	ENT FRE	QUENCY	OF W:	ND DIE	RECTIO	N BY T	EMP	
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL	FREQ	N	NE	E	SE	S	SW		NW	VAR	CALM
85/89	.0	.0	.0	.0	.1	.0	.0	.0	1	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0
80/84	.0	.0	.0	.2	.2	.2	.1	.0	7	.8	.1	.7	.0	.0	.0	.0	.0	.0	.0	.0
75/79	.0	.0	.0	.1	3.1	7.4	2.1	1.0	120	13.7	2.3	9.1	1.7	.0	.0	*	.2	.3	.0	.1
70/74	.0			1.0				4.6	626		9.4	52.3	6.7	.7	.0	.2	.3	1.4	.0	.2
65/69	.0				3.1	4.2	5.1	.9	124		1.4	9,9	2.2	.2	.0	.0	.1	.0	.0	.3
TOTAL	0	0		19	197	363	242	57		100.0										
PCT	.0	.0	.0	2.2	22.4		27.6				13.1	72.1	10.7	.9	.0	.3	.6	1.7	.0	.7

TABLE 15

TABLE 16

				TAI	SLE 15									INBLE	10			
	MEANS,	EXTREM	ES AND	PERCE	TILES	OF TE	MP (DE	G F)	Y HOUR		PERC	ENT FRE	QUENCY	OF RELA	TIVE H	VTIDITY	BY HOUR	
HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL	HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
00603	78	75	74	71	67	65	59	70.7	922	00803	.0	1.3	17.5	36.0	38.6	6.6	78	228
06609	82	76	74	71	67	65	64	70.6	1453	06609	.0	2.1	14.9	34.0	38.7	10.2	78 73	235
12815	88	81	78	73	68	68	58	73.6	831 1482	12615	.0	4.1	31.6	46.5	16.3	4.2	74	215
TOT	88	79	77	72	68	66	58	71.7	4688	TOT	0	20	197	369	253	58	76	897

PERIOD: (PRIMARY) 1911-1973 (OVER-ALL) 1856-1973

TABLE 1

EA 0007 CAPE VERDE ISLANDS

0

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	57	61	65	69	73 76	77	81 84	85 88	тот	FOG	FOG
	0.,			100							
14/16	.0	.0	.0	.0	.0	.0	.0	.1	1	.0	.1
11/13	.0	.0	.0	.0	.0	.0	.2	.0	2	.0	.2
9/10	.0	.0	.0	.0	.0	.2	.0	.0	2	.0	.2
7/8	.0	.0	.0	.0	.2	.1	.1	.0	4	.0	.4
6	.0	.0	.0	.2	.1	.1	.0	.0	2 4 4	.0	.4
5	.0	.0	.0	.0	.1	.1	.3	.0	9	.0	:4
6 5 4 3 2 1 0	.0	.0	.0	.3	.8	.5	.1	.0	19	.2	1.5
3	.0	.0	.0	.4	2.5	.4	.0	.0	37	.0	3.2
2	.0	.0	.0		2.3	.4	.1	.0	41	.1	3.5
1	.0	.0	.2	2.3	4.6	.8	.0	.0	90	.1	7.8
0	00000	.0	.3	7.9	6.4	.2	.0	.0	168	.3	14.5
-1	.0	.0	1.2	12.0	7.4	.0	.0	.0	235	.4	20.2
-2	.1	.0	.9		4.3	.1	.0	.0	221	.7	18.7
-3	.0	.0	1.8	10.0	2.5	.1	.0	.0	163	1.0	13.3
-4	.0	.0	.9	5.7	1.0	.0	.0	.0	86	.3	7.3
-5	.0	.0	.4	2.0	.6	.0	.0	.0	34	.1	2.9
-6	.0	.0	.3	1.1	.2	.0	.0	.0	18	.0	1.6
-7/-8	.0	.0	.0	.3	.3	.0	.0	.0	6	.0	.5
TOTAL	1		66		379		8			36	1104
	1000	0		649		36		1	1140		
PCT	.1	.0	5.8		33.2	3.2	.7	.1	100.0	3.2	96.8

PERIOD: (OVER-ALL) 1963-1973

TABLE 18

PCT FREQ OF WIND SPFED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT) HGT
<1
1-2
3-4
5-6
7
8-9
10-11
12
13-16
17-19
20-22
23-25
26-32
33-40
41-48
49-60
61-70
71-86
87
TOT PCT 1-3 11-21 .5 4.6 16.2 11.9 7.4 2.7 .0 .0 .0 .0 .0 .0 -47 PCT 3.9 4.2 3.3 1.1 .0 .0 .0 .0 .0 .0 1-3 -47 48+ HGT <1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 61-70 71-86 T-70 PCT PCT 11-21 .2 3.1 1.0 .8 .2 .2 .0 .0 .0 .0 .0 1-3 48+

		JAN
PERIOD: (OVER-ALL)	1963-1973	

AREA 0007 CAPE VERDE ISLANDS

Det	EDEA DE	HTMO	coren	futet	AND	DIRECTION	VEDCILL	 HETCHTE	(FT)	

				s							22-33	Call Design			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.1	
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	•0	.1	
				v							NW				TOTAL
HGT	1-3"	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.0	.4	.0	.0	.0	.0	St. 4 (5)	.2	.5	.0	.0	.0	.0	.7	
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.5	.2	.0	.0	.0	.7	
3-4	.0	.2	.0	.0	.0	.0	.2	.0	.2	.4	.0	.0	.0	.6	
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	
								.0							
		.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
12	.0	.0		.0		.0	.0					.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12 13-16 17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12 13-16 17-19 20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12 13-16 17-19 20-22 23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .0	.0	
12 13-16 17-19 20-22 23-25 26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12 13-16 17-19 20-22 23-25 26-32 33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .0 .0	.0	
12 13-16 17-19 20-22 23-25 26-32 33-40 41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12 13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12 13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60 61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12 13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	

	COEEN	(KTS)	WS		HEIGHT	
utun	SPEEU	14121	42	AZE	DE Toul	1111

		3						
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	2.8	3.2	.6	.0	.0	.0	6.7	003
1-2	.0	13.8	5.7	.0	.0	.0	19.5	
3-4	•2	9.3	21.5	1.2	.0	.0	32.3	
5-6	•0	2.0	15.6	3.9	.0	.0	21.5	
7	•0	.0	9.1	4.7	.0	.0	13.8	
8-9	.0	.0	2.8	1.6	.0	.0	4.5	
10-11	.0	.0	.8	.8	.0	.0	1.6	
12	.0	.0	.0	.2	.0	.0	.2	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	•0	.0	.0	.0	.0	.0	.0	
20-22	•0	.0	.0	.0	.0	.0	.0	
23-25	•0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	•0	.0	.0	.0	.0	.0	.0	
41-48	•0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								493
TOT PCT	2 .		84 2	12 4	•	0	100 0	100

PERIOD: (DVER-ALL) 1949-1973

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	HEAN
<6	3.0	7.1	10.4	7.2	3.3	.7	.6	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	227	4
6-7	•1	1.1	6.5	8.4	6.7	2.8	1.4	.7	.4	.0	•0	•0	.0	.0	.0	.0	•0	.0	.0	199	6
8-9	.0	.4	2.3	4.4	4.4	2.1	1.7	.9	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	121	7
10-11	.0	.3	1.1	.6	1.7	1.4	,6	• 3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	43	7
12-13	.0	.0	1.3	.9	.3	.1	.0	.0	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	22	6
>13	.0	.0	.0	.9	.6	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10	6
INDET	.7	.7	3.3	1.6	4.0	1.0	.3	•0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	82	5
TOTAL	27	68	175	168	147	58	32	13	15	1	0	0	0	0	0	0	0	0	0	704	5
PCT	1.8	9.7	24.9	23.0	20.9	8.2	4.5	1.8	2.1	-1	-0	-0	-0	.0	.0	.0	.0	.0	.0	100.0	

AREA 0007 CAPE VERDE ISLANDS 15.5N 23.8M PERIOD: (PRIMARY) 1912-1973 (OVER-ALL) 1855-1973 TABLE 1 PERCENT FREQUENCY OF WEATHER DECURRENCE BY WIND DIRECTION OTHER WEATHER PHENOMENA PRECIPITATION TYPE FOG WO SMOKE SPRAY NO PCPN HAZE BLWG DUST SIG PAST HR BLWG SNOW WEA FRZG SNOW OTHER PCPN FRZN PCPN HAIL PCPN AT PCPN PAST THOR FOG OB TIME HOUR LTNG WO PCPN RAIN RAIN DRZL 4.9 4.8 21.2 13.8 .0 11.8 50.0 15.0 89.9 88.9 72.9 86.2 84.2 82.4 50.0 81.2 1.3 .0000000000 .0 .0000000000 3.3 .0 .0 .0 .0 .0 .0 2.3 4.5 .8 .0 15.8 5.9 .0 1.5 .3 2.2 .0 .0 .0 .0 .0 .0 .0 .00000000 00000000000 NE SE SW W WAR CALM .1 .0 .0 .0 .0 .0 .0 .0 11.2 .0 .0 .0 .0 1.5 TOT PCT 87.2 6.8 3.6 TABLE 2 PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR OTHER WEATHER PHENOMENA PRECIPITATION TYPE FRZG SNOW OTHER HAZL PCPN AT PCPN PAST PCPN DB TIME HOUR PCPN THDR FOG FOG WO SMOKE SPRAY LTNG WU PCPN HAZE BLWG DUST PCPN PAST HR BLWG SNOW RAIN RAIN DRZL SHWR 4.6 9.6 5.1 7.7 .0.0 .7 .3 .7 1.5 91.5 84.8 87.7 84.3 .0 1.0 1.6 2.5 4.8 5.6 00603 06609 12615 18621 1.1 .0 .3 1.0 .0000 .0 .0 1.7 .3 .0 TOT PCT .5 .6 .2 .0 .0 .0 3.6 .8 86.9 .0 1.0 TABLE 3 PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR 48+ TOTAL PCT OBS FREQ 15 WND DIR 27.4 63.0 6.2 .0 .5 .2 .4 2.0 .0 .2 449 100.0 N NE E SE S W NW VAR CALM TOT DBS 7.3 18.1 4.3 .5 .2 .1 .1 17.6 63.3 14.4 .9 .4 .3 .3 1.9 20.7 67.9 6.8 .8 .3 .0 2.3 .0 4465 11.1 61.5 22.4 1.8 .4 .2 .2 1.1 .0 1.3 472 100.0 16.1 61.9 16.3 1.2 .3 .3 2.2 .0 1.4 587 100.0 11.8 14.3 14.5 11.7 6.9 6.5 4.1 8.1 .0 16.1 63.9 15.3 .8 .3 .2 1.9 .0 1.2 891 100.0 14.5 62.1 18.0 1.4 .4 .0 .4 2.2 .0 .9 424 100.0 19.9 63.4 12.1 .6 .2 .5 1.8 .0 1.0 827 1.1 1.1 .5 .1 .1 .2 .3 .0 1.0 213 4.5 1.2 8.2 2.3 .1 .0 .1 ******

26 .1 FEBRUARY

0 0

0

0

					TAB	LE 3A						
			SPEED							HOU		
WND DIR	0-6	7-16	17-27	28-40	41+	DAS	FREQ	MEAN	00	06	12	18
						4,000	14 9 3	1110			11.00	W- 900
N	3.6	9.7	4.0	.2	.0		17.6	11.8	15.8	16.1	21.2	18.1
NE	6.0	33.7	21.4	2.1	.1		63.3	14.3.	64.7	63.1	62.6	63.0
E	2.1	6.5	5.0	.8			14.4	14.5	14.7	15.7	11.9	14.3
E SE	.3	.4	.2		.0		.9	11.7	1.3	.9	.7	.8
S	.2	-1		.0	.0		.4	6.9	.6	.3	.4	.2
SW	.1	-1		.0	.0		.3	6.5	.3	.3	.1	.3
W	.2	.1	.0	.0	.0		.3	4.1	.1	.3	.4	.5
NW	1.0	.7	.2	.0	.0		1.9	8.1	1.7	2.0	2.1	1.9
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	1.0		••		••		1.0	.0	.9	1.3	.6	.9
TOT OBS	689	2423	1461	149	5	4727	0.000	13.5	937	1478	873	1439
TOT PCT	14.6	51.3	30.9	3.2	.1	1	100.0			100.0		

100.0

FEBRUARY

PERIOD: (PRIMARY) 1912-1973 (OVER-ALL) 1855-1973

TABLE 4

AREA 0007 CAPE VERDE ISLANDS 15.5N 23.8W

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	11-51	SPEFD (KNOTS) 34-47	48+	MEAN	PCT	TOTAL
60300	.9	3.3	35.8	50.3	9.6	.2	.0	13.0	100.0	937
90300	1.3	3.5	34.4	50.1	10.1	.7	.0	13.1	100.0	1478
12615	.6	4.4	27.9	51.5	14.9	.6	.1	14.1	100.0	873
18621	.9	3.3	28.6	52.7	13.8	.6	.1	14.1	100.0	1439
TOT	45	168	1498	2419	568	26	3	13.5		4727
PCT	1.0	3.6	31.7	51.2	12.0	.6	.1		100.0	

TABLE 5

TABLE 6

,	CT FRE			CLOUD A		(EIGHTHS)			PERCEN	TAGE F	REQUEN	CY OF	CEILIN NH <5/	G HEIG	HTS (F	T,NH	24/8) DN	
WND DIR	0-2	3-4	5-7	8 6	TOTAL	CLOUD	000 149	150	300 599	600	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	
N	12.6	3.7	5.3			3.0	.0	.0	.0	.8	2.4	1.1	.3	.2	.1	.1	18.9	
NE	31.8	14.8	15.1	5.3		3.1	.0	.1	.0	2.5	3.7	3.3	1.6	.3	.5	.3	54.6	
E	1.8	1.8	1.8	.1		3.4	.0	.0	.0	.4	.4	.5	.0	.0	.0	.0	4.4	
SE	.2	.1	.0	.1		3.6	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.3	
S	.2	.0	.1	.0		2.3	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.2	
SW	.2	.0		.1		3.5	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.2	
	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NW	1.2	.5	.3	.1		2.7	.0	.0	.0	.0	.1		.0	.0	.0	.0	2.1	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.2	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	
TOT DBS	418	181	196	70	865	3.1	0	1	0	32	57	43	17	4	8	3	700	865
TOT PCT	48.3	20.9	22.7	8.1	100.0		.0	.1	.0	3.7	6.6	5.0	2.0	.5	.9	.3	80.9	100.0

TABLE 7

CUMULATIVE	PCT	FREQ	OF	SIMULT	ANEO	JS D	CCURRENC	E
OF CEILIN	NG H	EIGHT	(NH	>4/8	AND	VSB	Y (NM)	

				VSBY (NA				
		the same						
CEILING	· GR	· GR	- DR	· DR	= DR	· DR	· DR	= DR
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
■ DR >6500	.7	1.1	1.3	1.3	1.3	1.3	1.3	1.3
- DR >5000	1.1	1.7	1.8	1.8	1.8	1.8	1.8	1.8
■ DR >3500	3.0	3.7	3.8	3.8	3.8	3.8	3.8	3.8
- DR >2000	7.7	8.6	8.7	8.7	8.7	8.7	8.7	8.7
. OR >1000	13.7	15.3	15.6	15.6	15.6	15.6	15.6	15.6
. DR >600	16.5	18.9	19.2	19.2	19.2	19.2	19.2	19.2
■ DR >300	16.5	18.9	19.2	19.2	19.2	19.2	19.2	19.2
. DR >150	16.5	18.9	19.3	19.3	19.3	19.3	19.3	19.3
. OR > 0	16.5	18.9	19.3	19.3	19.3	19.3	19.3	19.3
TOTAL	144	165	169	169	169	169	169	169

TOTAL NUMBER OF OBS: 874 PCT FREQ NH <5/8: 80.7

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

29.7 16.4 12.8 12.8 8.4 4.5 5.6 4.6 5.1 .0 925

FEBRUARY

PERIOD:	(PRIMARY)	1912-1973
	(DVER-ALL)	1855-1973

TABLE 8

AREA 0007 CAPE VERDE ISLANDS 15.5N 23.8W

0 0

ALL)	1855-1973						TAB	LE 8					15
		P	ERCENT	FREO C	F WIND	DIRE	TH VARY	S OCC	URRENC!	E OR N	IBILI	URRENC	E OF
VSBY		N	NE	E	SF	5	SW	W	NW	VAR	CALM	PCT	TOTAL
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	NO PCP	.1	.0	.0	.0	.0	.0	.0		.0	.0	.1	
	TOT &	.1	.0	.0	.0	.0	.0	.0		.0	.0	.1	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<	NO PCP	.9	2.9	2.1	.1	.0			.4	.0	.0	6.4	
	TOT %	.9	2.9	2.1	.1	.0			.4	.0	.0	6.4	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	NO PCP	.1	1.5		.0	.0	.0	.0		.0	.0	1.7	
	101 \$.1	1.5		.0	.0	.0	.0		.0	.0	1.7	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	NO PCP	.2	.7	.2	.0	.0	.1	.0	.1	.0	.0	1.3	
	TOT %	.2	.7	.2	.0	.0	.1	.0	.1	.0	.0	1.3	
	PCP	.2	.2	.3	.0	.0	.0	.0		.0	.0	.6	
5<10	NO PCP	5.0	13.8	3.3	.1	.2		.0	.6	.0	.0	23.0	
	TOT &	5.1	14.0	3.6	.1	.2		.0	.6	.0	.0	23.7	
	PCP	.1	.2	.1	.0	.0	.0	.0	.0	.0	.0	.4	
10+	NO PCP	15.9	44.0	4.2	.4	.2	.2		1.5	.0	.2	66.6	
	TOT %	16.0	44.2	4.2	.4	.2	.2		1.5	.0	.2	67.0	
	TOT DBS												1259
	TOT PCT	22.4	63.3	10.1	.6	.4	.3	.1	2.6	.0	.2	100.0	

TABLE 9

				PERCENT	FREQ	OF WIN	VALUES	OF V	VS WI	ND SPE	ED		
VSBY (NM)	SPD	N	NE	E	SE	s	SW	W	NW	VAR	CALM	PCT	TOTAL
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10		*	.0	.0	.0	.0	.0		.0		.1	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT *			.0	.0	.0	.0	.0	*	.0	.0	.1	
	0-3	.1		.0		.0	*	*		.0	.0	.2	
1/2<1	4-10	.3	.6	.2	.0	.0	.0	.0	.1	.0		1.3	
	11-21	.1	.8	.7	.0	.0	.0	.0	*	.0		1.6	
	22+	.0	.0	.1	.0	.0	.0	.0		.0		.1	
	TOT %	.4	1.4	1.0		.0	*	*	.2	.0	.0	3.1	
	0-3	.0		.0	.0	.0	.0	.0	.0	.0		.1	
1<2	4-10	*	.2	.0	.0	.0	.0	.0		.0		.2	
	11-21	.1	.6		.0	.0	.0	.0	.1	.0		. 8	
	22+		.2	.0	.0	.0	.0	.0	.1	.0		.3	
	TOT %	.1	1.1		.0	•0	.0	.0	.2	.0		1.4	
VE ST	0-3	.0		.0	.0		.0	.0	.0	.0	.1	.2	
245	4-10	.2	.6	.1	*	.0		.0	.1	.0	*	1.1	
	11-21	.1	. 8	*	.0	.0	.0	.0	.0	.0		.9	
	22+		1.7	*	.0	.0	.0	.0	.0	.0		.3	
	TOT #	.3	1.7	.2		*		.0	.1	.0	.1	2.6	
	0-3	.4	.3	.2	.0	*	.0		.1	.0	.2	1.3	
5<10	4-10	1.9	4.3	1.0	*	•1	*	*	. 3	.0		7.6	
	11-21	2.3	8.1	2.0	*	.0	.0	.0	.1	.0		12.5	
	22+	.5	2,5	.4	.0	.0	.0	:0	*	.0		3.4	
	TOT #	5.0	15.1	3.6	.1	•1	*	.1	.6	.0	.2	24.8	
	0-3	1.0	7	.3	.1	.1	.1	.2	.3	.0	.5	3.3	
10+	4-10	6.9	14,5	2.6	.3	.2	.1	*	1.0	.0		25.7	
	11-21	6.8	24.0	2.6	*	.0	.0		.3	.0		33.7	
	22+	.8	3.9	.4	.0	.0	.0	.0	.0	.0		5.2	
	TOT 2	15.5	43.2	6.0	.3	•3	.3	.2	1.6	•0	.5	67.9	
	TOT OBS												2674
1	TOT PCT	21.5	62,5	10.8	.5	.4	.3	.3	2.8	.0	.9	100.0	

F	c	0	11	A	D	٩

PERIOD: (PRIMARY) 1912-1973 (OVER-ALL) 1855-1973

TABLE 10

AREA 0007 CAPE VERDE ISLANDS 15.5N 23.8W

PERCENT FREQUENCY OF CEILING HFIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000	150 299	300 599	600	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL
60300	.0	.0	.0	2.2	6.1	3.9	1.3	.0	.9	.4	14.8	85.2	230
06609	.0	.0	.0	4.6	4.6	5.5	1.8	1.4	1.4	.0	19.2	80.8	219
12615	.0	.0	.0	4.6	7.1	5.5	2.5	.4	.6	.4	21.4	78.6	238
18821	.0	.4	.0	2.7	8.5	4.0	1.8	.4	.4	.4	18.8	81.2	223
TOT	0	1	0	32	60	43	17	5	.9	3	169	741 81.4	910

TABLE 11

TABLE 12

		PERCENT	FREQUEN	CY VSB	(NM)	BY HOUR		CUMULAT	CEILIN	FREQ G HGT	OF RAN	GES OF NH >4/8	VSBY (NM)	AND/OR
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00603	.0	2.6	1.1	1.1	24.4	70.9	570	00603	.0	.0	2.7	12.7	84.6	221
90360	.0	4.1	1.3	2.8	28.3	63.6	799	90360	.0	.0	5.7	14.6	79.7	212
12615	.2	2.2	1.3	3.6	20.7	72.1	556	12615	.0	.0	7.5	17.7	74.8	226
18821	.1	3.4	2.0	2.9	24.9	66.8	768	18621	.0	.5	5.1	16.3	78.6	215
TOT	2	86	38	70 2.6	671	1826	2693 100.0	TOT PCT	.0	.1	5.3	134 15.3	694	874 100.0

TABLE 13

TABLE 14

	PERC	ENT FRE	EQUENCY	0 F R	ELATIVE	E HUMI	DITY 8	Y TEMP	TOTAL	PCT		PERC	ENT FRE	QUENCY	DF WI	ND DIR	ECTIO	N BY T	EMP	
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100		FREQ	N	NE	E	SE	S	SW	W	NW	VAR	CALM
80/84	.0	.0	.2	.0	.0	.2	.1	.0	5	.5	.2	.3	.0	.0	.0	.0	.0	.0	.0	.0
75/79	.0	.0	.0	.3	2.4	4.1	1.5	.5	82	8.8	2.8	5.4	.1	.0	.1		.0	.3	.0	.1
70/74	.0	.0	.0	.7	9.9	23.1	22.R	5.2	577	61.8	16.2	39.8	3.0	.5	.2	.2	.0	1.7	.0	.1
65/69	.0	.0	.0	.1	4.0		9.5	2.9	270	28.9	4.7	21.0	2.9	.1	.0	.0	.0	.3	.0	.0
TOTAL	0	0	2	11	151	372	317	81	934	100.0										
PCT	.0	.0	.2	1.2	16.2	39.8	33.9	A.7			23.8	66.6	6.0	.5	.3	.2	.0	2.3	.0	•2

TABLE 15

TABLE 16

	MEANS,	EXTREM	ES AND	PERCEN	TILES	OF TEN	P (DE	6 F) 8	Y HOUR		PERC	ENT FRE	QUENCY	OF RELA	TIVE H	UMIDITY	BY HOUR	
HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL DBS	HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
00603	79	75	73	69	66	64	60	69.5	932	60300	.0	.4	10.5	35.9	41.4	11.8	79	237
90300	79	75	73	69	66	64	63	69.5	1466	06609	.0	1.2	12.2	34.1	41.9	10.6	79	246
12615	84	81	78	72	69	67	64	72.7	821	12815	.0	1.3	25.7	43.0	24.9	5.1	75	237
18821	84	80	77	71	68	66	64	71.6	1388	18821	.0	2.6	16.7	48.0	26.0	6.6	76	227
TOT	84	79	76	70	67	65	60	70.7	4607	TOT	0	13	154	380	319	81	77	947

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PERIOD: (PRIMARY) 1912-1973 (OVER-ALL) 1855-1973

TABLE 17

AREA 0007 CAPE VERDE ISLANDS 15.5N 23.8W

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA	61	65	69	73	77	81	TOT	W	WO
TMP DIF	64	68	72	76	90	84		FOG	FOG
11/13	.0	.0	.0	.0	.0	.1	1	.0	.1
9/10	.0	.0	.0	.3	.1	. 2	6	.0	.5
7/8	.0	.0	.0	.0	.2	.2		.0	.3
	.0	.0	.0	.4	.2	.0	7 9	.1	.5
5	.0	.0	.0	.1	.7	.0	9	.0	.8
	.0	.0	.6	1.0	.4	.2	26	.3	.5 .8 1.9
3	.0	.2	.4	1.7	.7	.0	35	.3	2.7
3 2 1	.0	.0	1.7	2.9	.4 .7 .5	.0	60	.3	4.7
1	.0	.1	4.3	5.2	.3	.0	118	1.0	8.9
0	.0	1.2	11.3	4.1	.0	.1	198	1.7	15.0
-1	.0	2.3	12.5	2.7	.1	.0	208	1.7	15.8
-2	.0	3.4	12.1	2.4	.0	.0	212	.9	16.9
-3	.0	2.9	7.8	.7	.0	.0	135	.5	10.9
-4	.0	2.1	4.6	.4	.0	.0	85	.3	6.9
-5	.0	1.1	2.2	.3	.0	.0	42	.0	3.5
-6	.0	.8	.5	.2	.0	.0	17	.1	1.3
-7/-8	.0	.5	.9	.0	.0	.0	17	.1	1.3
-9/-10	.1	.2	.2	.0	.0	.0	5	.0	.4
-11/-13	.0	.3	.0	.0	.0	.0	3	.0	.3
TOTAL	1		702		37		100	85	1103
		176		264	08	8	1188		1110-710-70-70-70-70-70-70-70-70-70-70-70-70-70
PCT	.1	14.8	59.1	22.2	3.1	.7	100.0	7.2	92.8

PERIOD: (OVER-ALL) 1963-1973

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT) HGT <1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60 61-70 71-86 87+ TOT PCT PCT 1.3 8.4 9.0 9.0 9.0 9.0 9.0 9.0 9.1 4-10 1.0 8.2 5.7 .5 .0 .0 .0 .0 .0 .0 .0 .0 11-21 7.5 15.9 9.4 6.8 .7 .2 .0 .0 .0 .0 48+ PCT 1.2 15.6 22.4 12.1 9.2 1.9 1.1 .0 .0 .0 .0 .0 .0 .0 .00 HGT
<1
1-2
3-4
5-6
7
8-9
10-11
12
13-16
17-19
20-22
23-25
26-32
33-40
41-88
49-60
61-70
71-86
87-7
TGT PCT 1-3 48+ 1-3 48+

PERIOD: COVER-ALC	1 1963-1973	FEBRUARY	AREA 0007 CAPE VERDE ISLANDS
PERIOD: COVER-ALC	1 1403-1473	TABLE 18 (CONT)	15.5N 23.8W
		PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS	S (FT)
uc7 1-3 4-1		33 34-47 44 PCT 1-3 4-10 11-31 32-33 32	

				-	I PAEG I	ir MIND	SPEED	14121 46	D DIKE	. I IUN V	EKONO 2	EA HETO	mis (FI)			
HGT	1-3	4-10	11-21	5	34-47		PCT					22-33	24.47		PCT	
				22-33		48+			1-3	4-10	11-21		34-47	48+		
<1	.0	.2	.0	.0	.0	.0	.2		.0	.0	.0	.0	.0	.0	.0	
1-2	.0	.4	.0	.0	.0	.0	.4		.0	.1	.0	.0	.0	.0	.1	
3-4	.0	.0	.0	.0	.0	.0	.0		•0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	•0	.0	.0		•0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	. 0		.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	.6	.0	.0	.0	.0	.6		.0	.1	.0	.0	.0	.0	.1	
				W								22-33				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.0	.0	.0	.0	.0	.0	.0		.0	.1	.0	.0	.0	.0	.1	
1-2	.0	.0	.0	.0	.0	.0	.0		•0	.7	• 2	.0	.0	.0	.9	
3-4	.0	.0	.0	.0	•0	.0	.0		.0	.2	.5	.0	.0	.0	.7	
5-6	.0	.0	.0	.0	.0	.0	.0		.0	.1	.3	.0	.0	.0	.3	
7	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	•0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	.0	.0	.0	.0	.0	.0		.0	1.0	1.0	.0	.0	.0	2.0	100.0
	.0		.0		• 0		.0		.0	1.0	1.0	.0	.0	• •	2.0	

		WIND	SPEFO	(KTS)	VS SEA	HEIGHT	(FT)		
	HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
	<1	1.3	2.7	.0	.0	.0	.0	4.0	DDS
	1-2	1.0	15.9	10.3	.0		.0	27.3	
	3-4	.0	8.2	23.3	1.5	.0	.0	32.9	
	5-6	•0	1.3	13.8	2.9		.0	18.0	
	7	•0	.6	10.5	2.7		.0	13.8	
	8-9	.0	.0	1.3	1.7		.0	2.9	
	10-11	.0	.0	.2	.8		.0	1.0	
	12	.0	.0	.0	.0		.0	.0	
	13-16	.0	.0	.0	.0		.0	.0	
	17-19	•0	.0	.0	.0		.0	.0	
	20-22	.0	.0	.0	.0		.0	.0	
	23-25	•0	.0	.0	.0		.0	.0	
	26-32	•0	.0	.0	.0		.0	.0	
	33-40	.0	.0	.0	.0		.0	.0	
	41-48	.0	.0	.0	.0		.0	.0	
	49-60	•0	.0	.0	.0		.0	.0	
	61-70	•0	.0	.0	.0		.0	.0	
	71-86	.0	.0	.0	.0	.0	.0	.0	
	87+	•0	.0	.0	.0		.0	.0	
		-							477
1	TOT PCT	2.3	28.7	59.3	9.6	.0	.0	100.0	

PERIO): (OV	ER-ALL	1 194	9-1973	,				TABLE	19											
					PERCENT	FRE	QUENCY	OF W	AVE HEI	GHT (F	T) VS	WAVE P	ERIOD	(SECON	DS)						
PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	1	2 13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN
<6	3.0	6.6	10.9	7.0	4.6	1.1	1.3		1 .1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	243	4
6-7	.0	.3	5.9	10.7	7.4	2.6	1.3		6 .1	.0	.0	.0	.0		.0	.0	.0	.0	.0	202	6
6-7 8-9	.0	.7	2.3	3.9	3.7	.9	1.4		6 .6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	98	6
10-11	.0	.4	.9	1.3	.9	1.1	.1		0 .1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	34	6
12-13	.0	.0	1.3	.6	1.0	.4	.0		0 .1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	24	6
>13	.0	.0	.0	.7	.3	.0	.3			.1	.0	.0	.0		.0	.0	.0	.0	.0	13	9
INDET	.0	2.4	3.9	2.7	2.1	.3	.6		0 .0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	84	4
TOTAL	21	73	175	188	140	45	35		0 10	1	0	0	0	0	0	0	0	0	0	698	5
PCT	3.0	10.5	25.1	26.9	20.1	6.4	5.0	1.	4 1.4	.1	.0	.0	.0	0	.0	.0	.0	.0	.0	100.0	

MARCH

PERIOD: (PRIMARY) 1910-1973 (QVER-ALL) 1855-1973

TABLE 1

AREA 0007 CAPE VERDE ISLANDS 15.5N 23.8W

PERCENT FREQUENCY	OF	WEATHER	DECURRENCE	BY	WIND	DIRECTION
-------------------	----	---------	------------	----	------	-----------

			P	RECIPI	TATIO	TYPE					OTHER	WEATHER	PHENO	MENA	
WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FUG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SND	
N NE	.2	.0	.3	.0	.0	.0	.0	.6	.0	.6	3.7	.0	4.4		90.7
NE		.0	-	.0		•0	.0				5.4	.0	3.4	.4	90.4
E	.0	1.0	.0	.0	.0	.0	.0	1.0	.0	.5	4.6	.0	1.9	.0	92.0
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	.0	.0	.0	97.9
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	16.7	.0	.0		83.3
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	.0	99.1
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0
CALM	.0		.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	100.0
CALI	.0	.0		.0	.0	.0	.0	.0	•"	.0		.0	.0	.0	.00.0
TOT PCT	1626	•1	.1	.0	.0	•0	.0	.2	•1	.3	4.8	.0	3.4	.3	90.8

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA		
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAN BLWG DU BLWG SM	JST	NO SIG WEA
00803 90300	.0	•0	.3	.0	.0	•0	.0	:3	.3	.5	3.2	.0	3.2		5	91.9
12615 18621	.0	•0	.0	.0	.0	•0	.0	.0	.0	.2	3.8	.0	2.8			92.8
TOT PCT	1451	•1	.1	.0	.0	•0	.0	.2	•1	.3	4.8	.0	3.4	.1	3	90.9

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

				-													
		WI	ND SPE	ED (KN	ors)								HOUR	(GMT)			
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	FREQ	SPD	00	03	06	09	12	15	18	21
N NE	:7	8.1	12.9	1.8		.0		23.5	12.9	29.7	14.4	24.0		32.0	20.1	23.8	20.4
E	.4	2.9	5.0	1.1	.1	.0		9.5	14.0	5.3	15.5	10.2	9.8	3.8	11.2	7.9	11.6
SE	.1	.4	.2		.0	.0		.7	9.0	.3	1.8	.6	.5	.7	.8	.6	.6
S	.1	.1		.0	.0	.0		.3	5.8	.0	.3	.3	.5	.1	.5	.3	.3
SW	.1	.1		.0	.0	.0		.3	6.6	.0	.2	.4	.2	.2	.1	.4	.3
W	.1	.2		.0	.0	.0		.3	5.9	.0	.1	.2	.5	.8	.3	.2	.2
NW	.2	.8	.5	.1	.0	.0		1.6	9.8	1.7	1.2	1.3	1.3	2.0	1.8	1.9	1.4
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.8					-		.8	.0	.8	.7	1.2	.9	.0	.9	.8	.7
TOT OBS	187	1707	3123	577	28	1	5623		13.6	520	567	1042	660	531	546	1030	727
TUT PCT	3.3	30.4	55.5	10.3	. 5			100-0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 2/

					IAB	PE SA						
WND DIR	0-6	WIND 7-16	SPFED 17-27		41+	TOTAL DRS	PCT	MEAN SPD	00	06 09	12 15	18 21
N NE	3.1	13.7	21.2	1:3	:0		23.5	12.9	21.7	24.3	26.0	22.4
E	1.3	4.6	3.4	.2			9.5	14.0	10.6	10.1	7.5	9.4
SE S SW W	.3	.3	.1		.0		.7	9.0	1.1	.5	.7	.6
S	.2	.1		.0	.0		.3	5.8	.1	.4	.3	.3
SW	.2	.1		.0	.0		.3	6.6	.1	.3	.2	.4
	.2	.1	.0	.0	.0		.3	5.9		.4	.5	.2
NW	.6	.7	.3	.0	.0		1.6	9.8	1.4	1.3	1.9	1.7
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	.8						.8	.0	.7	1.1	.5	.7
TOT OBS	645	3105	1771	98	4	5623		13.6	1087	1702	1077	1757
TOT PCT	11.5	55.2	31.5	1.7	.1		100.0		100.0	100.0	100.0	100.0

PERIOD: (PRIMARY) 1910-1973 (UVER-ALL) 1855-1973

TABLE 4

AREA 0007 CAPE VERDE ISLANDS 15.5N 23.8W

PERCENTAGE	ERFOUENCY	DE	HIND	SPEED	RY	HOUR	(CHT)

HOUR	CALM	1-3	4-10	WIND 11-21	SPEED (KNOTS) 34-47	48+	MEAN	PCT	TOTAL
60300	.7	2.6	33.5	53.4	9.4	.4	.0	13.3	100.0	1087
90300	1.1	2.4	33.A	54.1	8.1	.4	.0	12.9	100.0	1702
12115	.5	2.3	26.2	59.3	11.0	.6	.1	14.1	100.0	1077
18621	.7	2.6	27.7	55.9	12.4	.7	.0	14.0	100.0	1757
TOT	44	143	1707	3123	577	28	1	13.6		5623
DCT	. 8	2.5	30 4		10.3	. 5		125	100.0	

TABLE 5

TABLE 6

P	CT FRE			CLUUD A		(EIGHTHS)							CEILIN NH <5/					
WND DIR	0-2	3-4	5-7	08 SCD	TOTAL	CLOUD	000 149	150 299	300 599	999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8	TOTAL
N	12.1	7.3	7.7	1.7		3.3	-1	.0	.1	.9	1.8	1.5	1.2	:1	.0	.2	23.1	
NE	28.8	13.0	17.1	3.4		3.2		.0		2.0	5.0	3.4	2.0		.3	-		
t	2.8	1.2	1.1	.2		2.7	.0	.0	.0	.0	.3	.2	• 2	.2	.0	.0	4.4	
SE	.2	.2	.1			3.0	.0	.0	.0	.0	.0		.1	.0	.0	.0	.4	
5	.2	.1	.0	.0		1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	
24	.1	.0	.1	.0		2.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	
¥	.2	.0	.2	.0		3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	
NW	. 8	.5	.5	.0		2.4	.0	.0	.0	.0	.1	.0		.1	.0	.0	1.7	
VAR	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.3	.0	.1	.1		3.0	.0	.0	.0	.1	.0	.1	.0	.0	.0	.0	.3	
TOT OBS	517	254	306	62	1139	3.2	1	0	1	34	82	59	39	10	3	3	907	1139
TOT PCT	45.4	22.3	26.9		100.0		.1	.0	.1	3.0	7.2	5.2	3.4	.9	.3	.3	79.6	100.0

TABLE 7

CUMULATIVE PCT FREQ	OF SIMULTANFOUS DECURRENCE	1
	(NU SAZO) AND VERY (NH)	

					VSBY (NH	1)			
CI	EILING	= OR	- DR	- OR	- DR	. DR	. OR	- OR	- DR
	FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
. OR	>6500	.4	.5	.5	.5	.5	.5	.5	.5
. OR	>5000	1.2	1.3	1.4	1.4	1.4	1.4	1.4	1.4
. OR	>3500	3.8	4.4	4.8	4.8	4.8	4.8	4.8	4.8
. OR	>2000	8.0	9.5	10.0	10.1	10.1	10.1	10.1	10.1
	>1000	14.3	16.7	17.1	17.2	17.2	17.2	17.2	17.2
	>600	17.2	19.7	20.1	20.2	20.2	20.2	20.2	20.2
. DR	>300	17.3	19.8	20.2	20.3	20.3	20.3	20.3	20.3
	>150	17.3	19.8	20.2	20.3	20.3	20.3	20.3	20.3
		17.3	19.8	20.3	20.4	20.4	20.4	20.4	20.4
	TOTAL	198	227	232	233	233	233	233	233

TOTAL NUMBER OF OBS: 1144

PCT FPEQ NH <5/8: 79.6

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	DES
22 2	10.1			0.1		5.0	5.0	2.2	.1	1192

MARCH

								MA	RCH								
PER100:	(PRIMARY) (OVER-ALL)	1910-1973 1855-1973						TAB	LE 8				ARE	A 0007	CAPE 15.5N	VERDE 23.8	
			P	ERCENT	FREO C					URRENC				E OF			
	VSBY (NM)		N	NE	E	SE	5	SW	W	NW	VAR	CALM	PCT	TOTAL			
	<1/2		.0	.0	:0	.0	:0	:0	.0	.0	.0	.0	:0				
		TOT &	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0				
	1/2<	PCP 1 NO PCP TOT 2	.5	2.7	.0.2	.0	.0	.0	.0	.0	.0	.0	3.5 3.5				
		PCP			.0	.0			.0	.0	.0	.0	.1				
	1<2	NO PCP	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1				
		PCP	:0	.0		.0	.0	.0	.0	.0	.0	.0	.0				
	2<5	NO PCP	:7	1.0	.3	.1		:	.0	:1	.0	:0	2.3				
	5<10	PCP NO PCP	7.8	16.8	2.2	.0	.0	.0 .1	.0	.0	.0	.0	28.2				
	21.0	TOT %	7.8	16.8	2.3	:4	.2	i	:1	.4	.0	•2	28.3				
	10+	PCP NO PCP	17.0	41.8	3.5	.0	.0	.0 .1	.0	1.3	.0	.0	64.7				
		TOT %	17.1	41.8	3.5	.2	.1	.1	.2	1.3	.0	.3	64.8				

TOT 08S TOT FCT 26.5 63.3 6.3 .7 .4 .3

TABLE 9
PERCENT FRED OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

1624

.4 1.7 .0 .5 100.0

VSBY	SPD	N	NE		SE	s	SW	w	NW	VAR	CALM	PCT	TOTAL
(NM)	KTS			E									OBS
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT \$.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	4-10	.2	.2		.0	.0	.0	.0	.0	.0		.4	
	11-21		.8	.1	.0	.0	.0	.0	.0	.0		.9	
	22+	.1	.5	.0	.0	.0	.0	.0	.0	.0		.6	
	TOT \$.3	1.5	.1	.0	.0	.0	.0	.0	.0	.0	1.9	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	4-10		.3	.0	.0	.0	.0	.0	.0	.0		.3	
	11-21	.1	.3	.0	.0	.0	.0	.0	.0	.0		.5	
	22+		.1	.0	.0	.0	.0	.0	.0	.0		.1	
	TOT \$.2	;17	.0	.0	.0	.0	.0	.0	.0	.0	.9	
	0-3		.0	.1		.0	.0	.0	.0	.0	.0	.1	
2<5	4-10	.3	.5		.0			.0	.1	.0		1.0	
	11-21	.5	1.0	.1		.0	.0	.0		.0		1.7	
	22+	.1	.1	.0	.0	.0	.0	.0	.0	.0		.2	
	TOT \$.9	1.7	.2				.0	.1	.0	.0	3.0	
	0-3	.2	.1	.1	.1			:	.0	.0	.1	.6	
5<10	4-10	1.8	4.2	:1	.1	.1			.1	.0		7.0	
	11-21	4.2	9.8	.9		.0	.0	.0	.2	.0		15.1	
	22+	.7	2.3	.2	.0	.0	.0	.0		.0		3.3	
	TOT &	6.8	16.4	2.0	.2	.1	.1	.1	.3	.0	.1	26.1	
	0-3	5:3		1:7	.0			.1	.1	.0	.3	1.9	
10+	4-10	5.3	12.5	1.7	.1			.1	.5	.0		20.3	
	11-21	10.2	27.2	2.0		.0			.4	.0		39.8	
	22+	1.2	4.3	.5		.0	:0	.0	.1	.0		6.1	
	TOT %	17.1	44.7	4.4	.2	.0	.1	.0	1.1	.0	.3	68.2	
	TOT UBS												3096
1	TOT PCT	25.3	44.9			. 2	. 2	. 3	1.5	-0		100.0	

PERIOD: (PRIMARY) 1910-1973 (OVER-ALL) 1855-1973

TABLE 10

AREA 0007 CAPE VERDE ISLANDS 15.5N 23.8H

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NM >4/8) AND OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	149	150 299	300 599	999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL	
00603	.0	.0	.4	2.5	7.3	3.6	3.3	.7	.7	.0	18.5	81.5	275	
06609	.4	.0	.0	3.2	7.1	5.7	2.8	1.1	.0	.7	20.9	79.1	282	
12615	.0	.0	.0	2.8	7.3	7.6	5.4	.6	.3	.0	24.1	75.9	316	
18621	.0	.0	.0	3.0	6.6	3.3	1.6	1.0	.0	.3	15.8	84.2	304	
TOT	.1	.0	.1	2.9	7.1	5.1	39	10	.3	.3	234	943	1177	

TABLE 12

		PERCENT	FREQUENC	Y VSBY	(NM)	BY HOUR		CUMULAT					VSBY (NM)	
HOUR (GHT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL
00603	.0	1.2	.3	2.2	25.0	71.3	647	£0300	.0	.4	5.6	14.6	79.8	267
90360	.0	2.5	1.5	2.6	27.2	66.2	882	90360	.4	.4	6.3	17.6	76.1	272
12615	.0	1.5	.4	3.6	22.7	71.8	671	12615	.0	.0	5.8	21.2	73.0	311
18621	.0	2.2	1.0	3.5	29.1	64.3	922	18621	.0	.0	6.5	12.9	80.6	294
TOT	.0	60	27	93	822	2120	3122	TOT	1	2	69	191	884	1144

TABLE 13										TABLE 14										
	PERC	ENT FR	EQUENC	Y OF R	ELATIV	E HUMI	DITY 8	Y TEMP	TOTAL	PCT		PERC	ENT FR	EQUENC	OF W	IND DIE	RECTIO	N BY T	EMP	
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100		FREQ	N	NE	E	SE	S	SW		NW	VAR	CALM
85/89	.0	.1	.0	.0	.0	.1	.0	.0	2	.2	.0	.1	.0	.0	.0	.0	.1	.0	.0	.0
80/84	.0	.0	.0	.1	.2	.3	.2	.0	8	.7	.2	.3	.1	.0	.1	.0	.0	.0	.0	.0
75/79	.0	.0	.1	.5	3.1	4.4	1.5	.9	119	10.5	2.9	5.9	1.0	.2	.1		.3	.1	.0	.1
70/74	.0	.0	.0	.5	9.5	28.1	22.7	6.8	764		18.4	44.4	2.8	.2	.0	.0	.1	1.4	.0	.3
65/69	.0	.0	.0	.3	1.3	6.7	8.8	3.8	236		4.3	14.9	1.0	.0	.1	.0	.1	.1	.0	.4
60/64	.0	.0	.0	.0	.0	.1	.0		1	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0
TOTAL	0	1	. 1	16	159	449	374		1130	100.0				-						
PCT	.0	.1	.1	1.4	14.1	39.7	33.1	11.5			25.8	65.7	4.9	.4	.2		.5	1.6	.0	.7

TABLE 15

	MEANS,	EXTREM	ES AND	PERCEN	TILES	OF TE	MP (DE	Y HOUR		PERCENT		
HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL	HOUR (GMT)	0-29	30
00603	79	75	73	70	67	65	63	69.9	1076	20803	.0	
90300	80	76	74	70	66	65	63	69.8	1671	06609	.0	
12615	85	81	78	73	69	67	66	73.2	1013	12615	.0	
18621	86	81	77	72	68	66	65	72.1	1677	18621	.0	
TOT	86	80	76	71	67	45	4.2	71.2	5437	TOT	•	

TABLE 16

	PERC	ENT FRE	QUENCY	OF RELA	TIVE H	UMIDITY	BY HOUR	
HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
00403	.0	.3	5.9	39.2	40.6	14.0	81	286
06609	.0	.7	7.2	31.0	45.1	15.9	81	277
12615	.0	2.7	22.8	44.0	23.1	6.8	75	294
18421	.0	2.5	20.4	43.9	24.2	9.1	76	285
TOT	0	18	162	454	378	130	78	1142

MARCH

PERIOD: (PRIMARY) 1910-1973 (OVER-ALL) 1855-1973

TABLE 17

AREA 0007 CAPE VERDE ISLANDS 15.5N 23.8W

0 0

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FUG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	61	68	69 72	73 76	77 80	81 84	85 88	тот	FOG	FOG
14/16	.0	.0	.0	.0	.0	.1	.0	1	.0	.1
11/13	.0	.0	.0	.0	.1	.1	.1	3 8	.0	.2
9/10	.0	.0	.0	.1	.3	.1	.0	8	.0	.5
7/8	•0	.0	.1	.0	.3	.1	.0	7	.1	.4
	.0	.0	.0	.1	.3	.0	.0	6	.0	.4
6	.0	.0	.1	.5	.5	.1	.0	18	.1	1.1
	•0	.1	.3	1.0	.5	.1	.0	30	.1	1.8
3	.0	.0	.6	2.3	.5	.0	.0	51	.1	3.2
2	.0	.0	1.0	3.7	.3	.1	.0	78	.3	4.8
1	.0	.1	3.5	6.3	.3	.0	.0	155	.9	9.3
0	.0	.6	10.6	5.9	.1	.0	.0	262	.7	16.6
-1	.0	1.5	15.3	4.8	.0	.0	.0	327	1.5	20.1
-2	.0	2.5	12.9	1.9	.1	.0	.0	265	.5	17.0
0 -1 -2 -3 -4 -5 -6	.0	3.0	7.3	1.3	.1	.0	.0	176	.5	11.1
-4	.0	.9	2.4	.5	.0	.0	.0	58	.1	3.8
	.0	.9	1.3	.4	.0	.0	.0	39	.0	2.6
-6	.0	.4	.4	.2	.0	.0	.0	15	.0	1.0
-7/-8	.1	.3	.4	.1	.0	.0	.0	13	.0	. 9
-9/-10	.0	.1	.1	.0	.0	.0	.0	3	.0	.9
-11/-13	.1	.0	.0	.0	.0	.0	.0	1	.0	1
TOTAL	2		852		53	••	1		74	1442
	-	157	0,2	442	"	9	5-21	1516		.442
PCT	.1	10.4	56.2		3.5	.6	.1	100.0	4.9	95.1

PERIOD: (QVER-ALL) 1963-1973 .

				PC	T FREQ (F WIND	SPEED	(KTS)	AND DIREC	CTION V	ERSUS S	EA HEIG	HTS (FT		
				N								NE			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.9	.7	.2	.0	.0	.0	1.7		.2	.9	.0	.0	.0	.0	1.1
1-2	.2	3.5	3.6	.0	.0	.0	7.2		.3	7.6	6.8	.0	.0	.0	14.7
3-4	.0	2.6	6.9	1.1	.0	.0	10.6		.0	4.7	16.9	.8	.0	.0	22.4
5-6	.0	.3	4.9	.6	.0	.0	5.8		.0	.5	12.3	3.3	.2	.0	16.3
7	.0	.0	2.4	.6	.0	.0	2.9		.0	.0	4.3	2.3	.0	.0	6.6
8-9	.0	.0	.6	.3	.0	.0	.8		.0	.2	1.5	.2	.0	.0	1.9
10-11	.0	.0	.0	.0	.0	.0	.0		.0	.0	.5	.0	.0	.0	.5
12	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.5	.0	.0	.5
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	•0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.1	7.1	18.4	2.5	.0	.0	29.1		.5	13.8	42.2	7.2	.2	.0	63.9
101 701				4.,	.0		27.1		.,	13.0	42.2	1.2	••	.0	03.7
HGT	1-3	4-10	11-21	E 22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.0	.0	.0	.0	.0	.2		.0	.0	.0	.0	.0	.0	.0
1-2	.0	1.4	.2	.0	.0	.0	1.6		.0	.0	.0	.0	.0	.0	.0
3-4	.2	.7	.6	.0	.0	.0	1,5		.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.6	.0	.0	.0	.6		.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.5	.3	.0	.0	.8		.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.1	.0	.0	.1		.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.2	.0	.0	.2		.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	, .0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	/ .0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	2.1	2.0	.6	.0	.0	5.0		-0	.0	40	.0	.0	-0	-0

MARCH TABLE 18 (CONT)

AREA 0007 CAPE VERDE ISLANDS 15.5N 23.8M

PCT	FREO O	F UTNO	CPEED	(KTS)	AND	DIRECTION	VERSIIS	SEA	HETGHTS	(FT)

				5							SW				
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	.2	.0	.0	.0	.0	.0	.2	.0	.2	.0	.0	.0	.0	.2	
1-2	.0	.1	.0	.0	.0	.0	.1	.0		.0	.0	.0	.0		
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.2	.1	.0	.0	.0	.0	.3	.0	•2	.0	.0	.0	.0	.2	
											NU				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL
<1	.2	.0	.0	.0	.0	.0	.2	.0	2	.0	.0	.0	.0	.2	
1-2	.0	.0	.2	.0	.0	.0	.2	.0	.2	.1	.0	.0	.0	.2	
3-4	.0														
5-6		.0	.0	.0	.0	.0	.0	.0	.1	.6	.0	.0	.0	.7	
	.0	.0	.0	.0	.0	.0	:0	.0	.1	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	•0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
8-9 10-11	.0	.0	.0	.0	.0	.0	.00	.0	.0	.0	.0	.0	.0	.0	
8-9 10-11 12	.0	.0	.0	.0	.0	.0	.0	.0	.1 .0 .0 .0	.0	.0	.0	.0	.0	
8-9 10-11 12 13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
8-9 10-11 12 13-16 17-19	.0	.0	.0	.0	.0	.0	0000000000	.0	.0	.0	.0	.0	.0	.0	
8-9 10-11 12 13-16 17-19 20-22	.0	.0	.0	.0	.0	.00.00	.00.00	.0	.1	.0	.0	.0	.0	.0	
8-9 10-11 12 13-16 17-19 20-22 23-25	.0	.0	.0	.0	.0	.0		.0	.1	.0	.0	.0	.0	.0	
8-9 10-11 12 13-16 17-19 20-22 23-25 26-32	.0	.0	.0	.0	.0	.0	000000000000000000000000000000000000000	.0	.1	.0	.0	.0	.0	.0	
8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40	.0	.0	.0	.0	.0	.00000000000000000000000000000000000000	.00	.0	.1	.0	.0	.0	.0	.0	
8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48	.0	.00000000000000000000000000000000000000	.00	.0	.00000000000000000000000000000000000000	.00000000000000000000000000000000000000	000000000000000000000000000000000000000	.0	.1	.0	.0	.0	.0		
8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60	.0	.00000000000000000000000000000000000000	.00	.00.00		.00000000000000000000000000000000000000	.00.00.00.00.00.00.00.00	.00	.1	.0.000000000000000000000000000000000000	.0	.0	.0	*	
8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60 61-70	.0	.00000000000000000000000000000000000000	.00000000000000000000000000000000000000			.00000000000000000000000000000000000000		.0	.1	.00.00.00.00.00.00	.00	.0	.00.00.00.00.00.00.00.00.00.00.00.00.00	*	
8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60 61-70 71-86	.0		000000000000000000000000000000000000000	.00000000000000000000000000000000000000	.00000000000000000000000000000000000000			.0	.1	.00000000000000000000000000000000000000	.0	.0	.0	* .00	
8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60 61-70	.0	.00000000000000000000000000000000000000	.00000000000000000000000000000000000000			.00000000000000000000000000000000000000		.0	.1	.00.00.00.00.00.00	.00	.0	.00.00.00.00.00.00.00.00.00.00.00.00.00	*	99.8

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	1.9	1.9	.2	.0	.0	.0	3.9	
1-2	.5	12.9	10.8	.0	.0	.0	24.2	
3-4	.2	8.2	24.8	1.9	.0	.0	35.0	
5-6	.0	. 8	17.7	3.9	.2	.0	22.6	
7	.0	.0	7.2	3.1	.0	.0	10.4	
8-9	.0	.2	2.0	.6	.0	.0	2.8	
10-11	•0	.0	.5	.2	.0	.0	.6	
12	•0	.0	.0	.5	.0	.0	.5	
13-16	•0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	•0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	•0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	•0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								637
TOT OCT	2 .	22 0	43 3	10.2	2	^	100.0	

PERIOD: (DVER-ALL) 1949-1973

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

(SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	HEAN
<6	1.7	11.1	14.2	7.1	3.7	.9	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	340	3
6-7	.0	.9	4.7	9.7	5.6	3.4	.5	.3	.2	.0	.0	•0	.0	.0	.0	.0	.0	•0	.0	222	6
8-9	.0	.9	1.1	4.0	4.0	2.8	1.1	.5	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	128	6
10-11	.0	.0	.5	• 3	2.1	1.0	.2	.0	.1	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	40	8
12-13	.0	.0		.5	.7	.5	.5	.1	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	29	7
>13	.0	.0	.0	•0	.5	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7	8
INDET	.5	.8	4.1	4.8	1.0	. 8	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	106	4
TOTAL	19	120	222	231	153	83	23	10		3	0	0	. 0	0	0	0	0	0	0	872	5
PCT	2.2	12.0	25.5	24 .	17.8			1 1	. 0	. 2			' 0	.0	-0	-0	-0	-0	- 0	100-0	

									APRI	L						
PERIOD:	(PRIMARY)		-1973 -1973						TABLE	1			AREA 000	15.5N	VERDE IS	LANDS
					•	ERCEN	FREQU	ENCY C	F WEATHER	OCCURRENCE	BY WI	ND DIR	ECTION			
				P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHENOM	ENA	
	WND DIR	RAIN	RAIN	DRZL	PCPN	SNOW	OTHER FR7N PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR		SPRAY BLWG DUST BLWG SNOW	

			,	RECIPI	TATIO	TYPE					OTHER	WEATHER	PHENO	MENA	
WND DIR	RAIN	RAIN	DRZL	FKZG PCPN	SNOW	OTHER FR7N PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUS BLWG SNO	
N NE	.0	.0	:0	:0	.0	.0	.2	:2	.0	.0	4.5	.0	4.6	1.7	89.0
E	.0	.0	.8	.0	.0	.0	. 8	1.6	.0	.8	11.3	.0	1.4	.0	85.0
SE	23.5	.0	11.8	.0	.0	•0	.0	23.5	.0	.0	5.9	.0	.0	.0	70.6
5	.0	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
	16.7	.0	.0	.0	.0	.0	.0	16.7	.0	.0	.0	.0	.0	.0	83.3
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.5	.0	89.5
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	•0	.0	.0	.0	12.5	.0	.0	12.5	.0	75.0
TOT PCT TOT DBS:	1662	-1	.1	.0	.0	•0	.1	.4	.0	.1	4.4	.0	4.1	.8	90.2

TABLE ?
PFRCENT FREQUENCY OF MEATHER OCCURRENCE BY HOUR

			P	RECIPI	TATTO	N TYPE					OTHER	WEATHER	PHENO	HENA	
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	NO SIG WEA
00603 0609	.5	.0	.3	.0	.0	•0	.0	.5	.0	.3	3.0	.0	4.0	.5	91.7
12615	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.6	.0	5.4	1.5	90.4
TOT PCT	1692	•1	.1	.0	.0	•0	.1	.5	.0	.2	4.6	•0	4.0	.8	90.1

TABLE 3
PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HUUR

		WI	ND SPE	ED (KN	OTS)								HOUR	(GHT)			
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	FREQ	MEAN	00	03	06	09	12	15	18	21
N NE	.5 .7 .3	8.1 18.0 3.2		1.9	.1	.0		24.6 61.2 10.7	13.2 13.8 14.2	30.2 61.1 5.9	15.8 61.6 18.2	25.5 58.9 11.1	28.8 58.3 9.5	33.4 60.1 4.2	19.6 64.3 12.4	24.0 63.8 9.4	20.9 62.0 13.7
SE	.1	.5	.2			.0		.8	8.7	.5	1.5	. 9	.6	.4	1.1	.6	.8
SW	:1	:1	•1		.0	.0		.1	10.0	.0	.3	.3	.5		.3	•0	.0
NW	:1	.2	:1	•0	:0	.0		1.5	9.3	1.6	1.2	1.7	1.6	1.4	1.1	1.2	1.7
CALM	.0	.0	.0	.0	.0	.0		.0	.0	.0	1.1	.0	.0	.0	.0	.0	.0
TOT OBS	2.4	1843	3404 57.2	545 9.2	12	.0	5948	100.0	13.5	542 100.0	611	1137	710	526	571	1052	799 100.0

					TAB	LE 3A							
WND DIR	0-6	WIND 7-16	SPEED 17-27	(KNOTS) 28-40	41+	TOTAL DBS	PCT	MEAN SPD	00	HQUI 06 09	12 15		
N	2.6	14.6	7.1	.3	.0		24.6	13.2	22.5	26.7	26.2		
NE	4.8	36.4	18.8	1.1			61.2	13.8	61.4	58.7	62.3	63.0	
E	1.1	5.5	3.8	.3			10.7	14.2	12.4	10.5	8.5	11.3	
E SE	.4	.3	.1		.0		.8	8.7	1.0	.8	.7	.7	
5	.1		.1	.0	.0		.2	10.0	.2	.3	.3	.1	
SW	.1		.0	.0	.0		.1	4.5	.1	.2	.1		
W	.2	.1		.0	.0		.3	0.5	.2	.4	.2	.3	
NW	.2	.8	.2	.0	.0		1.5	9.3	1.4	1.7	1.2	1.4	
VAR	.0	.0	.2	.0	.0		.0	.0	.0	.0	.0	.0	
CALM	.6						.6	.0	.8	.6	.5	.5	
TOT OBS	621	3435	1786	105	1	5948		13.5	1153	1847	1097	1851	
TOT PCT	10.4	57.8	30.0	1.8			100.0			100.0			

PERIOD: (PRIMARY) 1908-1973 (OVER-ALL) 1854-1973

TABLE 4

AREA 0007 CAPE VERDE ISLANDS 15.5N 23.9W

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GHT)

				WIND	SPEED (KNOTS)			PCT	TOTAL
HOUR	CALM	1-3	4-10	11-21	22-33	34-47	48+	MEAN	FREQ	OBS
60300	.8	1.6	31.2	57.8	8.3	.2	.0	13.3	100.0	1153
90300	.6	2.7	36.0	52.8	7.7	.2	.0	12.7	100.0	1847
12615	.5	1.5	28.8	58.8	10.4	.1	.0	14.0	100.0	1097
18621	.5	1.4	27.1	60.3	10.4	.3	.0	14.0	100.0	1851
TOT	35	109	1843	3404	545	12	0	13.5	3300000	5948
PCT	.6	1.8	31.0	57.2	9.2	.2	.0		100.0	

•	PCT FRE			LOUD A		EIGHTHS)							CEILIN NH <5/					
WND DIR	0-2	3-4	5-7	8 £	TOTAL	CLOUD	000 149	150 299	300 599	600 999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	
N	13.8	6.9	5.9	1.4		2.9	.0	.0	.4	.2	1.9	1.8	.7	.4	.1	.1	22.4	
NE	26.1	16.9	17.7	2.6		3.3	.1	.0	.1	1.6	5.3	3.1	2.1	.9	.1	.2	49.8	
E	2.3	1.5	1.9	.3		3.4	.0	.0	.0	.6	.1	.1	.3	.1	.1	.0	4.6	
SE	.2		.1	.1		4.3	.1	.0	.0	.0	.1	.0	.0	.0	.0	.0	.2	
S	.1	.1	.1	.0		3.3	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.1	
SW	.2			.0		1.5	.0	.0		.0	.0	.0	.0	.0	.0	.0	.2	
W	.1	.0	.1	.1		4.0	.0	.0	.1	.0	.0	.0	.1	.0	.0	.0	.1	
NW	.5	.4		.1		2.4	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.9	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.6	.0	.0	.0		.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	
TOT OBS	478	282	281	49	1090	3.2	2	0	7	26	81	54	35	15	4	4	862	1090
TOT PCT	43.9	25.9	25.8	4.5	100.0		.2	.0	.6	2.4	7.4	5.0	3.2	1.4	.4	.4	79.1	100.0

TABLE 7

				VSBY (NM)			
CEILING	= OR	- DR	- OR	= DR	= DR	· OR	- DR	= DR
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
# OR >6500	.4	.6	.7	.7	.7	.7	.7	.7
= DR >5000	1.6	2.0	2.1	2.1	2.1	2.1	2.1	2.1
■ DR >3500	4.3	5.2	5.3	5.3	5.3	5.3	5.3	5.3
■ DR >2000	8.3	10.2	10.3	10.3	10.3	10.3	10.3	10.3
# OR >1000	14.0	17.5	17.6	17.6	17.6	17.6	17.6	17.6
■ OR >600	15.9	19.9	20.0	20.0	20.0	20.0	20.0	20.0
■ DR >300	16.3	20.5	20.6	20.6	20.6	20.6	20.6	20.6
. DR >150	16.3	20.5	20.6	20.6	20.6	20.6	20.6	20.6
- OR > 0	16.4	20.7	20.8	20.8	20.8	20.8	20.8	20.8
TOTAL	181	228	229	229	229	229	229	229

TOTAL NUMBER UF OBS: 1102 PCT FREQ NH <5/8: 79.2

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 DBSCD DBS 18.1 19.2 15.7 14.5 10.9 5.6 8.0 4.5 3.4 .1 1169

PERIOD:	(PRIMARY)	1908-1973
	(OVER-ALL)	1854-1973

TABLE 8

AREA 0007 CAPE VERDE ISLANDS 15.5N 23.9W

		P	PERCENT		F WIND	DIRECT	TION V	S DCC	IRRENCE ALUES	E DR N	ON-OCC	URRENC	E OF
VSBY		N	NE	E	SE	5	SW	w	NW	VAR	CALM	PCT	TOTAL
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4
<1/2	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	PCP	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	
1/2<1	NO PCP	1.1	2.2	.9		.0	.0	.0	.0	.0	.0	4.2	
	TOT &	1.1	2.2	.9		.0	.0	.0	.0	.0	.0	4.2	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	NO PCP	.3	.5	.0	.0	.0	.0	.0	.0	.0	.0	. 8	
	TOT &	.3	.5	.0	.0	.0	.0	.0	.0	.0	.0	.8	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
245	NO PCP	.3	.4	.1	.1	.0	.0	.0		.0	.0	.9	
	TOT %	.3	.4	.1	.1	.0	.0	.0		.0	.0	.9	
	PCP	.1	.0	.1	.1	.0	.0	.0	.0	.0	.0	.3	
5<10	NO PCP	8.6	21.1	2.9	.1	.2	.1	.2	.3	.0	.1	33.6	
	TOT &	8.7	21.1	3.0	.2	.2	.1	.2	.3	.0	.1	33.9	
	PCP	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1	
10+	NO PCP	15.7	38.9	3.8	.2	.1	.1	.2	. 8	.0	.4	60.1	
	101 %	15.7	38.9	3.8	.2	.1	•1	.2	.8	.0	.4	60.2	
	TOT OBS												1660
	THE PET	26.1	63.2	7 7	. 5	. 7	. 2	4	1 1	-0	- 5	100.0	

VSBY (NM)	SPD KTS	N	NE	ε	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	000
<1/2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	•0	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	4-10	.3	.2	.1	*	.0	.0	.0	.0	.0		.6	
	11-21	.3	.6	.3	.0	.0	.0	.0	.0	.0		1.3	
	22+	.1	.3		.0	.0	.0	.0	.0	.0		.4	
	TOT %	.6	1.2	.5		.0	.0	.0	.0	.0	.0	2.2	
	0-3	*		.0	.0	.0	.0	.0	.0	.0	.0		
1<2	4-10	.0	.1	.0	.0	.0	.0	.0	.0	.0		.1	
	11-21	.2	.2	.0	.0	.0	.0	.0	.0	.0		.4	
	22+	*	.1	.0	.0	.0	.0	.0	.0	.0		.2	
	TOT \$.2	.4	.0	.0	.0	.0	.0	.0	.0	.0	.6	
	0-3	.0	.0			.0	.0	.0	.0	.0	.0	.1	
2<5	4-10	.1	.2	.0	.0	.0	.0	.0	*	.0		.3	
	11-21	.3	,6	.0	.0	.0	.0	.0	*	.0		.9	
	22+	.1	.1	.0	.0	.0	.0	.0	.0	.0		.3	
	TOT %	.6	.9			.0	•0	.0	*	.0	.0	1.6	
	0-3		.1		.0	.0	.0	.1		.0	.1	.4	
5<10	4-10	2.4	3.9	.7	.1	.1	*	. 1	.2	.0		7.5	
	11-21	4.8	11.5	1.2			.0	*	.1	.0		17.8	
	22+	.9	2.1	.2	.0	.0	.0	.0	.0	.0		3.2	
	TOT %	8.0	17.7	2.2	.1	.1		.2	.4	.0	.1	28.9	
	0-3	.3	.6	.2	.1				.1	.0	.3	1.7	
10+	4-10	5.9	13.1	1.8	.1	.1		.1	.9	.0		22.0	
	11-21	10.2	26.2	2.0				*	.3	.0		38.7	
	22+	1.2	2.8	.2	• 2	.0	.0	.0		.0		4.2	
	TOT \$	17.6	42.7	4.2	.2	.1	• 1	.2	1.3	.0	.3	66.7	

PERIOD: (PRIMARY) 1908-1973 (OVER-ALL) 1854-1973

TABLE 10

AREA 0007 CAPE VERDE ISLANDS 15.5N 23.9W

PERCENT FREQUENCY OF CEILING HFIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000	150 299	300 599	999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL
60300	.4	.0	.4	2.2	5.7	4.3	2.9	1.8	.0	.4	17.9	82.1	279
90360	.0	.0	.7	2.6	8.9	5.9	2.2	1.1	.4	.0	21.8	78.2	271
12615	.3	.0	1.3	1.6	7.4	0.1	3.6	1.9	1.0	.3	23.6	76.4	309
18621	.0	.0	.0	2.8	6.3	2.8	3.5	.3	.0	.7	16.4	83.6	287
TOT	2	0	7	26	7.1	55	35	15	.3	.3	229	917	1146

TABLE 11

		PERCENT	FREQUENC	Y V58Y	(NH)	BY HOUR		CUMULA					VSBY (NM)	
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL	HOUR (GHT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL
00203	.0	1.9	.1	2.0	27.5	68.5	699	00803	.4	.8	4.2	15.8	80.0	265
06609	.0	2.1	.3	. 8	28.3	68.5	933	90300	.0	.8	3.8	18.7	77.5	262
12615	.0	2.0	.9_	1.2	27.1	68.8	661	12615	.3	1.7	4.0	21.1	74.8	298
18621	.0	3.1	1.1	2.4	31.9	61.6	935	18621	.0	.0	5.8	14.1	80.1	277
TOT	0	75	20	51	933	2149	3228	TOT	2	9	49	193	860	1102

				1	ABLE 1	3									IABLE	. 14				
	PERC	ENT FR	EQUENC	Y OF R	ELATIV	E HUMI	DITY 8	Y TEMP	TOTAL	PCT		PERC	ENT FRE	QUENCY	OF W	ND DIE	RECTION	BYT	EMP	
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100		FREQ	N	NE	E	SE	S	SW	W	NW	VAR	CALM
85/89	.0	.0	.0	.2	.1	.0	.0	.0	3	.3			.1	.0	.0			.0	.0	.0
80/84	.0		.1	.0		.5	.3	.0	18	1.5	.4	.7	.2	.1	.0	.0	.1		.0	.0
75/79	.0	.0	.1	. 2	2.8	7.9	1.8	.3	158	13.2	3.5	7.9	1.0	.2	.1		.1	.2	.0	.1
70/74	.0	.0	.0	.4	10.7	29.8	22.8	6.8	846	70.5	20.4	44.6	4.3	.2	.1	.1	.0	.3	.0	.5
65/69	.0	.0	.0		1.8	6.4	5.0	1.3	175	14.6	3.8	9.8	.4		.1	.1	.1	.3	.0	.1
TOTAL	0		2	9	192	536	360	101	1200	100.0									-	
PCT	.0		.2	. 8	16.0	44.7	30.0	8.4			28.2	63.0	5.9	.5	.3	.2	.3	.9	.0	.7

				TAE	LE 15									TABLE	16			
	MEANS,	EXTREM	ES AND	PERCEN	TILES	OF TE	MP (DE	G F) 8	Y HOUR		PERC	ENT FRE	QUENCY	OF RELA	TIVE H	UMIDITY	BY HOUR	1
HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL	HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
60300	32	75	73	70	67	65	62	70.3	1130	00603	.0	1.4	5.1	42.6	37.5	13.5	80	296
06609	84	77	74	70	67	65	62	70.4	1815	06609	.0	.3	8.0	37.5	42.5	11.7	80	299
12615	87	82	79	73	70	68	67	73.7	1040	12615	.0	.6	30.2	46.0	18.6	4.5	74	311
18821	87	82	78	72	68	67	64	72.5	1758	18621	.0	1.3	21.0	51.7	21.6	4.4	75	315
TOT	87	80	77	71	68	66	62	71.6	5743	TOT	0	11	199	544	364	103	77	1221

PERIOD: (PRIMARY) 1908-1973 (OVER-ALL) 1854-1973

TABLE 17

AREA 0007 CAPE VERDE ISLANDS 15.5N 23.9W

3

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PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	65	69 72	73 76	77 80	81 84	85 88	TOT	FOG	FUG
14/16	.0	.0	.0	.1	.0	.0	1 2 5 19	.0	.1
11/13	.0	.0	.0	.0	.1	.1	2	.0	.1
9/10	.0	.0	.0	.0	.1	.1	5	.0	.3
7/8	.0	.0	.1	. 7	.5	.0	19	.1	1.2
	.0	.0	. 2	1.0	:1	.1	9	.0	.6
5	.0	.1	.7	1.0	.1	.0	27	.3	1.4
4	.0	.1	1.2	1.0	.0	.0	35	.1	2.2
6 5 4 3 2 1 0	.0	.7	1.7	.7	.0	.0	46	.1	2.9
2	.0	1.4	4.0	1.0	.0	.0	98	.3	6.2
i	.1	2.9	5.9	.3	.0	.0	141	.4	8.8
0	.1	9.9	6.0	.0	.0	.0	245	1.1	14.9
-1	1.6	14.9	5.4	.1	.0	.0	336	1.1	20.9
-2	1.3	13.9	3.2	.1	.0	.0	282	.7	17.7
-3	.9	8.7	.5	.1	.0	.0	155	.2	10.0
-2 -3 -4 -5	.9	3.7	.5	. 1	.0	.0	79	.2	5.0
-5	.3	1.6	.0	.0	.0	.0	29	.0	1.9
-6	.3	.7	.0	.0	.0	.0	15	.0	1.0
-7/-8	.0	.1	.0	.0	.0	.0		.0	.1
-9/-10	.0	.1	.0	.0	.0	.0	2	.0	.1
TOTAL	84		449		14			70	1457
.01	-	897	4	80		3	1527		
PCT	5.5	58.7	29.4	5.2	.9	.2	100.0	4.6	95.4

PERIOD: (OVER-ALL) 1963-1973

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT) NE 22-33 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 22-33 .0 .0 .4 1.4 1.5 .3 .0 .0 .0 .0 .0 .0 .0 HGT <1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60 61-70 71-86 87+ 11-21 6.1 15.6 15.5 7.4 2.4 0.0 0.0 0.0 0.0 0.0 0.0 1-3 11-21 3.5 5.3 5.0 2.1 .3 .0 .0 .0 .0 .0 .0 1-3 48+ HGT <1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60 61-70 71-86 87-7 1-3 48+ 48+ 1-3 11-21

		APRIL	
PERIOD: (OVER-ALL)	1963-1973		AREA 0007 CAPE VERDE ISLANDS
		TABLE 18 (CONT)	16 5N 23 QH

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

				, ,,	I FREU L	IL MIND	ZEFED	(KIZ) WAD DIKE	CITUM V	FK202 2	EA HELD	HIS (FI)			
HGT	1-3	4-10	11-21	5 22-33	34-47				4-10	11-21	22-33	34-47	48+	PCT	
<1	.0		.0		.0	48+	PCT	1-3	4-10	.0		.0	.0	*	
1-2	.0	.1	.0	.0	.0	.0	-1	.0	.0	.0	.0	.0	.0	.0	
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	.0	:0		.0	.0	.0			.0				
7	.0	.0	.0		.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	
8-9		.0	.0	.0			.0		.0		.0	.0		.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
		.0			.0		.0	.0	.0	.0			.0	.0	
12	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
25-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	•0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	•0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	•1	.2	.0	.0	.0	.3	.0	•	•0	.0	.0	.0	*	
				w							NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.5	.0	.0	.0	.0	.5	
3-4	.0	.0	.1	.0	.0	.0	.1	•0	.1		.0	.0	.0	.1	
5-6	.0	.0	.0	.0	.0	.0	.0	•0	.4	.0	.0	.0	.0	.4	
7	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	*	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	•0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	•0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	.0	.1	.0	.0	.0	.1	•0	1.0	.1	.0	.0	.0	1.1	99.1

	MIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	1.2	1.2	.2	.0	.0	.0	2.6	003
1-2	.0	11.0	10.5	.0	.0	.0	21.4	
3-4	• 2	9.2	22.1	1.4	.0	.0	32.9	
5-6	• 2	1.7	20.9	3.0	.0	.0	25.8	
7	.0	.5	9.8	2.3	.0	.0	12.5	
8-9	•0	.0	2.8	.9	.0	.0	3.7	
10-11	.0	.0	.2	.5	.0	.0	.7	
12	•0	.0	.0	.2	.0	.0	.2	
13-16	• 0	.0	.0	.0	.0	.0	.0	
17-19	• 0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.2	.0	.0	.2	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	•0	.0	.0	.0	.0	.0	.0	
49-60	•0	.0	.0	.0	.0	.0	.0	
61-70	•0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
			5.7			100		574
TOT PCT	1.6	23.7	66.4	8.4	.0	.0	100.0	

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST	THOR	FOG WU PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUS BLWG SNO	
N	.0	:1	.0	.0	.0	.0	.0	.1	.2	.7	4.0	.0	4.4	.2	90.5
NE	.0	. 3	.0	.0	.0	• 0	.0	. 3		.3	3.8	.0	2.5	.3	92.8
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	9.6	.0	4.0	.0	85.6
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	.0	6.3	.0	91.7
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	1616	.2	.0	.0	.0	.0	.0	.2	•1	.4	4.3	.0	3.2	•2	91.6

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			P	RECIPI	TATIO	TYPE					OTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	
00603 06609 12615	.0	.0	.0	.0	.0	•0	.0	.0	.0	.6	2.2 5.6 2.9	.0	2.5	.3	94.5 90.4 91.9
18621	.0	•0	.0	.0	.0	•0	.0	.0	.0	.4	5.5	.0	3.5	.2	90.4
TOT PCT	.0	•2	.0	.0	.0	•0	.0	.2	.1	.4	4.3	.0	3.2	. 2	91.6

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		WI	ND SPE	ED (KN	OTS)								HOUR	(GMT)			
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	PCT	MEAN	00	03	06	09	12	15	18	21
							DBS	FREQ	SPD								
N	.7	7.9	14.3	1.6		.0		24.6	13.0	35.2	14.5	24.6	26.6	35.9	18.1	25.7	21.9
NE	.9	17.8	36.4	4.6	.2	.0		59.8	13.7	56.6	62.8	59.0	57.2	57.7	61.0	62.1	60.1
E	.3	3.6	7.1	1.5	*	.0		12.6	14.0	4.6	20.2	11.8	12.9	4.6	17.7	9.9	15.7
SE		.4	.3		.0	.0		. 8	10.0	.6	1.2	.9	1.0	.4	1.1	.5	.9
S		.1	*	.0	.0	.0		.1	7.3	.0	.1	.1	.1	.0	.5	*	.1
SW		.1	*	.0	.0	.0		.1	7.7	.2	.0	.2	.1	.0	.2	.1	.1
W	.1	.1		.0	.0	.0		.2	6.5	.0	.2	.4	. 2	.1	.3	.3	.0
NW	.1	. 8	.5	.0	.0	.0		1.4	8.8	2.7	.5	2.2	1.9	1.1	1.0	1.2	. 8
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.3					•		.3	.0	.0	.4	.7	.2	.2	.0	. 3	.3
TOT OBS	156	1967	3743	494	12	0	6372		13.4	486	715	1209	832	503	641	1121	865
TOT PCT	2.4	30.9	58.7	7.8	.2	.0		100.0			100.0	100.0	100.0			100.0	100.0

....

				(KNOTS)						HOU		
WND DIR	0-6	7-16	17-27	28-40	41+	OBS	FREQ	SPD	00	06	12	21
N	2.7	14.8	6.9	•2	.0		24.6	13.0	22.9	25.4	26.0	24.0
NE	4.6	35.5	19.0	.7	.1		59.8	13.7	60.3	58.3	59.5	61.3
E	1.4	6.1	4.7	.3			12.6	14.0	13.9	12.3	12.0	12.4
E SE	.3	.4	.1	.0	.0		. 8	10.0	1.0	.9	.8	.7
S	.1	.1		.0	.0		.1	7.3	.1	.1	.3	.1
SW	.1	*	*	.0	.0		.1	7.7	.1	.1	.1	.1
W	.1	.1		.0	.0		.2	6.5	.1	.3	.2	.2
NW	.6	.7	.1	.0	.0		1.4	8.8	1.4	2.1	1.0	1.0
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	.3						.3	.0	.2	.5	.1	.3
TOT OBS	648	3676	1972	72	4	6372		13.4	1201	2041	1144	1986
TOT PCT	10.2	57.7	30 9	1.1	-1		100.0		100.0	100.0	100-0	100.0

PERIOD: (PRIMARY) 1892-1973 (OVER-ALL) 1854-1973

TABLE 4

AREA 0007 CAPE VERDE ISLANDS 15.5N 24.0M

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GHT)

				WIND	SPEED (KNOTSI			PCT	TOTAL
HOUR	CALM	1-3	4-10	11-21	22-33	34-47	44+	MEAN	FREQ	085
00603	.2	2.8	32.2	58.2	6.3	.2	.0	13.0	100.0	1201
90300	.5	2.4	36.2	55.2	5.6	.1	.0	12.5	100.0	2041
12615	.1	1.6	27.3	61.2	9.5	.3	.0	14.0	100.0	1144
18621	.3	1.7	26.7	61.3	9.8	.2	.0	14.1	100.0	1986
TOT	20	136	1967	3743	494	12	0	13.4		6372
PCT	. 3	2.1	30 9	58.7	7.8	. 2	. 0		100.0	

,	CT FRE			CLOUD A		(EIGHTHS)			PERCEN	TAGE F	REQUEN	CY OF	CEILIN NH (5/	G HEIG	HTS (T,NH	>4/8) DN	
WND DIR	0-2	3-4	5-7	8 L 085CD	TOTAL	CLOUD COVER	000 149	150 299	300 599	999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8	
N	11.7	6.2	11.6	3.7		4.0	.1	.0	.0	1.5	5.6	2.3	1.0	.2	.2	.3	22.1	
NE	19.1	13.2	19.7	8.8		4.1	.4	.0	.4	4.1	8.1	5.3	2.8	.7	.3	.4	38.3	
E	1.5	.7	1.3	.4		3.6	.0	.0	.0	.4	.4	.1	.3	.1	.0	.1	2.4	
SE		.1	.3	.0		5.2	.0	.0	.0	.0	.0	.1	.0	.2	.0	.0	.1	
S	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2M	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NW	.7	.2	.4	.4		4.2	.0	.0	.0	.0	.4	.2	.0	.0	.0		1.1	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.1	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
TOT OBS	317	196	320		961	4.1	4	0	4	58	139	77	39	11	4	8	617	961
TOT PCT	33.0	20.4	33.3		100.0		.4	.0	.4	6.0	14.5	8.0	4.1	1.1	.4	.8	64.2	100.0

CUMULATIVE PCT FREQ OF SIMULTANEOUS UCCURRENCE OF CEILING HEIGHT (NN >4/8) AND VSBY (NM)

					VSBY (NM)			
CE	ILING	- OR	- OR	- DR	= DR	- PR	- DR	- DR	. DR
(F	EET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
- OR :	>6500	.9	1.2	1.2	1.2	1.2	1.2	1.2	1.2
· DR	>5000	1.8	2.5	2.5	2.5	2.5	2.5	2.5	2.5
· DR	>3500	5.2	6.6	6.6	6.6	6.6	6.6	6.6	6.6
. OR :	>2000	11.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6
. OR :	1000	23.5	29.0	29.0	29.0	29.0	29.0	29.0	29.0
· DR	>600	28.6	34.9	34.9	34.9	34.9	34.9	34.9	34.9
. DR	>300	28.7	35.4	35.4	35.4	35.4	35.4	35.4	35.4
· OR	>150	28.7	35.4	35.4	35.4	35.4	35.4	35.4	35.4
· OR	> 0	29.0	35.8	35.8	35.8	35.8	35.8	35.8	35.8
	TOTAL	281	347	347	347	347	347	347	347

TOTAL NUMBER OF OBS: 970 PCT FREQ NH <5/8: 64.2

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 0BSCO 0BS 14.5 13.8 14.1 11.3 10.1 9.6 9.7 8.6 9.3 .1 1017

MAV

0

.0 .2 .2

.0

.0 .1

2.4

10+ PCP 17.8 34.6 TOT % 17.8 34.6

TOT OBS TOT PCT 30.4 59.6 7.7

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

.0 .0 .0 .0 .1 .9 .0

.1 1.5

.0 .0 .1 56.0 .1 56.0

.1 100.0

					ITH VA	KTING	VALUES	ur v	ISTATE	100			
VSBY	SPD	N	NE	E	SE	s	SW		NW	VAR	CALM	PCT	TOTAL
	0-3		.0	.0	.0	.0	.0	.0	.0	.0	.0		-
<1/2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21			.0	.0	.0	.0	.0	.0	.0			
	22+	.0	.0	.0	.0	.0	0	.0	.0	.0		.0	
	TOT \$	•		.0	.0	.0	.0	.0	.0	.0	.0	-1	
	0-3				.0	.0	.0	.0	.0	.0	.0	.1	
1/2<1	4-10	.1	.2	.1	.0	.0	.0	.0	.0	.0		.4	
	11-21	.2	.6	.2	.0	.0	.0	.0		.0		1.0	
	22+		.1		.0	.0	.0	.0	.0	.0		.2	
	TOT %	.4	.9	.4	.0	.0	.0	.0	•	.0	.0	1.7	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	4-10	.1	.1	.1	.0	.0	.0	.0	.0	.0		.3	
	11-21	.1	.2		.0	.0	.0	.0	.0	.0		.3	
	22+		.0	.0	.0	.0	.0	.0	.0	.0			
	TOT \$.2	.3	.1	.0	.0	.0	.0	.0	.0	.0	.7	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
245	4-10	.3	.3	.1	.0	.0	.0		.1	.0		.8	
	11-21	.4	.7			.0	.0	.0	.0	.0		1.1	
	22+			.0	.0	.0	.0	.0	.0	.0			
	TOT \$.7	1.0	.1		.0	.0		. 1	.0	.0	1.9	
	0-3	.2	.2	.2	.0	.0			.1	.0		.9	
5<10	4-10	2.7	5.3	1.1	.1	.0	.0		.2	.0		9.6	
	11-21	5.9	10.9	1.2		.0	.0	.0	.2	.0		18.2	
	22+	.6	1.1	. 1	.0	.0	.0	.0	.0	.0		1.7	
	TOT \$	9.5	17.5	2.7	.1	.0			.6	.0		30.4	
	0-3	.6	.8	1:5		.0			:17	.0	.2	1.9	
10+	4-10	6.0	12.3	1.5	.2			.1	.7	.0		21.0	
	11-21	11.7	25.2	1.7	.1	.0	.0		.4	.0		39.1	
	22+	1.0	2.2	.1	.0	.0	.0	.0	.0	.0		3.2	
	TOT %	19.3	40.5	3.4	.3	*		.2	1.2	.0	.2	65.2	
7	OT UBS	***											3108
T	TOT PCT	30.1	60.3	6.7	.5		.1	.3	1.9	.0	.2	100.0	

TABLE 10

AREA 0007 CAPE VERDE ISLANDS 15.5N 24.0W

PERCENT FREQUENCY OF CEILING HFIGHTS (FEET, NH >4/8) AND DCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000	150 299	300 599	999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/6 ANY HGT	TOTAL	
00603	.8	.0	.4	7.6	11.8	4.6	2.9	2.1	.0	.0	30.3	69.7	238	
06609	.0	.0	.4	7.0	16.3	7.4	5.1	. 6	1.6	1.2	39.7	60.3	257	
12615	.4	.0	.4	5.6	13.1	9.6	4.4	1.2	.0	.4	35.1	64.9	251	
18621	.4	.0	.4	3.2	14.5	9.6	3.6	. 8	.0	1.6	34.1	65.9	249	
PCT		.0	.4	58	139	78 7.8	40	12	4	.8	347	648	995	

TABLE 1	

т	Δ	A	1	F	1	1

		PERCENT	FREQUEN	CY VSBY	(NM)	AY HOUR		CUMULAT					VSBY (NM)	
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL	HOUR (GHT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL
60603	.2	.9	.5	1.6	31.6	65.3	645	00603	.9	1.3	9.0	21.8	69.2	234
06609	.1	2.3	.6	2.0	32.5	42.4	929	90300	.0	.4	8.4	33.1	58.6	251
12615	.0	1.3	.8	1.7	26.2	70.0	629	12615	.4	.8	7.0	29.8	63.2	242
18621	.0	2.1	.7	2.1	31.9	63.1	934	18621	.4	.8	4.5	30.9	64.6	243
TOT	.1	55 1.8	21	60	969	2030	3137 100.0	TOT	.4	.8	70 7.2	281	619	970 100.0

A	B	٤	E	1	3

TABLE 1

	PERC	ENI PA	ENDENC	UFK	ELATIV	E HOME	DITT B	TEMP	TOTAL	PCT		PERC	ENT FRE	QUENCY	DF W	ND DIE	CECTIO	N BY T	EMP	
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	OBS	FREQ	N	NE	E	SE	S	SW	W	NW	VAR	CALM
80/84	.0	.0	.1	.2	.2	.5	-1	.0	11	1.1	.4	.4	.1	.1	.0	.0	.0		.0	.0
75/79	.0	.0	.0	.0		11.2	5.4	1.6	217	21.4	7.5	11.6	1.5	. 1	.0	.0	.0	.4	.0	.1
70/74	.0	.0	.0	.2	5.7	27.7	29.0	10.1	738	72.7	24.7	44.2	2.5	.4	.0	.0	.0	.9	.0	.0
65/69	.0	.0	.0	.0	.0	1.7	2.5	.7	49	4.8	1.3	3.1	.3	.0	.0	.0	.0	.1	.0	.0
TOTAL	0	0	1	4	92	417	375	126	1015	100.0										
PCT	.0	.0	.1	.4	9.1		36.9	12.4			33.9	59.5	4.4	.6	.0	.0	.0	1.5	.0	-1

TABLE 15

	WE 41.23	LA . KEH	- 3 4.10	PERCEN	. Ires	0	in the	6 7 8	HOOK
HOUR	MAX	99%	95%	50%	5%	1*	MIN	MEAN	TOTAL
(GMT)									CBS
60300	81	76	75	72	68	67	65	71.6	1194
90300	84	78	75	72	68	67	64	71.8	2019
12815	88	82	80	75	71	70	69	74.8	1087
18621	85	81	78	73	70	68	65	73.5	1911
TOT	88	81	78	73	69	67	64	72.8	6211

	PERC	ENT FRE	QUENCY	OF RELA	TIVE H	UMIDITY	BY HOU	2
HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
60300	.0	.0	3.2	32.7	45.8	18.3	82	251
90300	.0	.0	5.7	31.4	46.4	16.4	82	280
12615	.0	1.6	16.3	52.7	22.0	7.3	76	245
18621	.0	.4	12.4	49.6	30.4	7.2	78	250
TOT	0	5	95	423	375	128	79	1026

MAY

PERIOD: (PRIMARY) 1892-1973 (OVER-ALL) 1854-1973

TABLE 17

AREA 0007 CAPE VERDE ISLANDS 15.5N 24.0W

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FUG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA	65	69	73	77	81	TOT	W	WO
THP DIF	68	72	76	80	84		FUG	FOG
9/10	.0	.1	.0	.1	.1	4	.0	.3
7/8	.0	.0	.3	.3	.3	13	.0	.9
6	.0	.0	.3	.7	.2	17	.0	1.1
5	.0	.1	.5	.7	.1	22	.1	1.1
4	.0	.1	1.1	1.0	.0	33	.0	2.2
3	.0	.1	1.5	.9	.0	38	.0	2.5
2	.0	. 8	4.1	1.3	.0	93	.2	6.0
2	.0	2.4	8.4	.9	.1	176	.6	11.2
ō	.1	6.5	12.2	.7	.0	291	1.1	18.4
-1	.0	12.5	11.0	.2	.0	354	.8	22.9
-2	.1	9.2		.1	.0	216	.7	13.8
-3	.3	6.0	2.1	.1	.0	126	.4	8.0
-4	.2	2.8	. 6	.1	.0	58	.1	3.8
-5	.2	1.3	.5	.1	.0	31	.0	2.1
-6	.0	.7	.1	.0	.0	13	.0	.9
-7/-8	.1	.3	.1	.0	.0	7	.0	.5
-11/-13	.0	.1	.0	.0	.0	1	.0	.1
TOTAL	14		717		10		59	1434
		646		106		1493		
PCT	.9	43.3	48.0	7.1	.7	100.0	4.0	96.0

PERIOD: (OVER-ALL) 1963-1973

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT) HGT
<1
1-2
3-4
5-6
7
8-9
10-11
12
13-16
17-19
20-22
23-25
26-32
33-40
41-48
49-60
61-70
71-86
TOT PCT 1-3 48+ 1-3 48+ HGT
<1
1-2
3-4
5-6
7
8-9
10-11
12
13-16
17-19
20-22
23-25
26-32
33-40
41-48
49-60
61-70
71-86
61-70
71-87
FCT PCT 1-3 48+ 1-3

PCT FREQ OF WIND SPFED (KTS) AND DIRECTION VERSUS SEA I			
	SW		
		48+ PCT	
0. 0. 0. 0. 0. 0. 0. 0. 0	.0 .0	.0 .0	
1-2 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0 .0	.0 .0	
3-4 .0 .0 .0 .0 .0 .0 .0 .0	.0 .0	.0 .0	
5-6 .0 .0 .0 .0 .0 .0 .0 .0	.0 .0	.0 .0	
7 .0 .0 .0 .0 .0 .0 .0 .0	.0 .0	.0 .0	
0. 0. 0. 0. 0. 0. 0. 0. 0.	.0 .0	.0 .0	
10-11 .0 .0 .0 .0 .0 .0 .0 .0	.0 .0	.0 .0	
12 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0 .0	.0 .0	
13-16 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0 .0	.0 .0	
17-19 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0 .0	.0 .0	
20-22 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0 .0	.0 .0	
23-25 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0 .0	.0 .0	
26-32 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0 .0	.0 .0	
33-40 .0 .0 .0 .0 .0 .0 .0 .0	.0 .0	.0 .0	
41-48 .0 .0 .0 .0 .0 .0 .0 .0	.0 .0	.0 .0	
49-60 .0 .0 .0 .0 .0 .0 .0 .0	.0 .0	.0 .0	
61-70 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0 .0	.0 .0	
71-86 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0 .0	.0 .0	
87+ .0 .0 .0 .0 .0 .0 .0 .0 .0	.0 .0	.0 .0	
TOT PCT .0 .0 .0 .0 .0 .0 .0 .0	.0 .0	.0 .0	
	NW		TOTAL
		48+ PCT	PCT
0. 0. 0. 0. 0. 0. 0. 0. 0. 0	.0 .0	.0 .0	
1-2 .0 .0 .0 .0 .0 .0 .0 .2 .3	.0 .0	.0 .4	
3-4 .0 .0 .0 .0 .0 .0 .0 .2 .6	.0 .0	.0 .8	
5-6 .0 .0 .0 .0 .0 .0 .0 .2	.0 .0	.0 .2	
7 .0 .0 .2 .0 .0 .2 .0 .0 .0	.0 .0	.0 .0	
e-9 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0 .0	.0 .0	
10-11 .0 .0 .0 .0 .0 .0 .0 .0	.0 .0	.0 .0	
12 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0 .0	.0 .0	
13-16 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0 .0	.0 .0	
17-19 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0 .0	.0 .0	
20-22 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0 .0	.0 .0	
23-25 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0 .0	.0 .0	
26-32 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0 .0	.0 .0	
33-40 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0 .0	.0 .0	
41-48 .0 .0 .0 .0 .0 .0 .0 .0	.0 .0	.0 .0	
49-60 .0 .0 .0 .0 .0 .0 .0 .0	.0 .0	.0 .0	
61-70 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0 .0	.0 .0	
71-86 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0 .0	.0 .0	
87+ .0 .0 .0 .0 .0 .0 .0 .0 .0	.0 .0	.0 .0	
TOT PCT .0 .0 .2 .0 .0 .0 .2 .0 .4 1.1	.0 .0	.0 1.5	99.8

WIND SPEED (KTS) VS SEA HEIGHT (FT) HGT

11-2
3-4
5-6
7
8-9
10-11
12
13-16
17-19
20-22
23-25
26-32
33-40
41-48
49-60
61-70
71-86
87+ 0-3 4-10 11-21 22-33 34-47 48+ PCT 2.3 21.6 37.4 27.1 7.7 3.0 .0 .0 .0 .0 .0 .5.5.0 .00.00.00.00.00.00.00.00.00.00.00 10.2 24.2 23.2 6.1 1.6 .5 .0 .0 .0 .0 .0 561 TOT PCT 5.7 .5 26.6 66.1 .0 100.0 1.1

PERIOD: (UVER-ALL) 1949-1973 TABLE 19 PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS) PERIOD (SEC) (6 6-7 8-9 10-11 12-13 >13 INDET TOTAL PCT TOTAL 292 263 102 19 6 3 94 779 100.0 MEAN HGT 5 6 5 8 4 5 .0 .0 .0 .0 .0 1-2 3-4 13.1 9.9 1.8 .5 .5 .0 3.7 230 29.5 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48 7.4 .5 .3 .0 .0 2.2 65 10.9 .6 10.4 13.7 5.1 .9 .0 .1 2.8 258 33.1 4.1 6.3 3.2 .3 .1 .0 2.3 127 16.3 1.7
2.3
1.5
.3
.1
.0
.5
.0 .1 .6 .5 .3 .0 .3 .3 .16 2.1 .000000000 .000000000 .000000000 .000000000 .000000000 .0 .0 .0.00.0000 .0.00.0000 .000000000 .000000000

JUNE PERIOD: (PRIMARY) 1897-1973 (UVER-ALL) 1854-1973 AREA 0007 CAPE VERDE ISLANDS 15.5N 23.9W PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION OTHER WEATHER PHENOMENA RAIN DRZL FRZG SHWK PCPN HATL PEPN AT PEPN PAST WND DIR RAIN THOR 89.9 89.0 87.3 100.0 100.0 81.8 100.0 93.5 4.5 5.9 9.9 .0 18.2 .0 4.8 .0 .0 .1 .0 .0 .0 .0 .0 .0 .0 .0 00000000000 .0 .0 .0 .0 .0 .0 .0 .0 .0 .00 .0 .0 .0 .0 .0 .0 .0 .0 .57 NE E SE SW W NW VAR CALM

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR PRECIPITATION TYPE OTHER WEATHER PHENOMENA SNOW OTHER FRZN PCPN FOG WO SMOKE SPRAY PCPN HAZE BLWG DUST PAST HR BLWG SNOW PCPN AT PCPN PAST OB TIME HOUR FOG NO PCPN HAIL .0 .3 .2 5.1 6.7 5.6 6.4 .0 .6 .0 1.4 1.5 90.9 90.3 88.4 87.4 00603 06609 12615 18621 .0 .0000 .0 1.2 .0000 3.4 1.8 3.7 4.2 .0 .0 TOT PCT

TABLE 3
PERCENTAGE PREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

						. WE GOE			. Ture				JUN					
		NI	ND SPE	ED (KN	075)								HOUR	(GMT)				
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	FREQ	SPD	00	03	06	09	12	15	18	21	
N NE	1:7	8.8	11.5			.0		22.2	12.1	31.4	15.2		22.5	33.9	14.5	21.1		
E	.5	4.3	6.7		• • •	.0		12.6	12.9	60.2	18.3		13.2	58.3	18.1	12.0		
SE	.1	.6	.4			.0		1.1	10.2	.2	1.9				1.8			
S	.1			.0		.0		.1	4.8	.3	.2	.1	.1	.1	.0	.2		
SW		.2		.0	.0	.0		.3	6.4	.7	.3	.1	.3	.6	.5	.1	.1	
	.1	.2	.0			.0		.3	5.3	.5	.3	.6	.3	.0	.3	.1	.2	
NW	.2	.7	.4			.0		1.4	9.4	2.0	.9	1.7	1.3	2.9	.7	.9	1.4	
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0		.0	.0	.0	.0	.0	
CALM	.8			-				. 8	.0	.6	.9	1.2	1.0	. 8	.8	.7	.5	
TOT DBS	216	2224	3309	373	12	0	6134		12.5	485	672	1147	804	499	613	1054	860	
TOT PCT	3.5	36.3	53.9	6.1	. 2	-0		100-0		100.0	100.0	100-0	100-0	100-0	100-0	100-0	100-0	

PERIOD: (PRIMARY) 1897-1973 (OVER-ALL) 1854-1973

AREA 0007 CAPE VERDE ISLANDS 15.5N 23.9W

PERCENTAGE FR	EQUENCY	TIE	WIND	SPEEN	AV	Heitie	(CMT)

HOUR	CALM	1-3	4-10		SPEED (48+	MEAN	PCT	TOTAL
60300	.8	2.5	40.0	51.7	4.8	.2	.0	12.1	100.0	1157
90300	1.1	3.4	38.4	51.2	5.7	.2	.0		100.0	1951
12615	.8	1.6	36.0	54.5	6.8	.3	.0	12.8	100.0	1112
18621	.6	2.7	32.0	57.8	6.8	.2	.0	13.1	100.0	1914
TOT	51	165	2224	3309	373	12	0	12.5		6134
PCT	. 8	2.7	36.3	53.9	6.1	.2	.0	1000	100.0	

TABLE 5

TABLE 6

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8)

AND DESCRIPTION

			A MIM	DIREC	LIDN					AND DC	CURKEN	CE UF	NH <5/	8 BA M	IND DI	KECLI	JIM .	
WND DIR	0-2	3-4	5-7	8 & 08SCD	TOTAL	CLOUD	000	150 299	300 599	600 999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	
N NE	7.8	5.8	9.8	5.8		4.5	.2	.0	.2	1.7	4.3	2.9	1.7	1.6	.1	:6	17.3	
€	1.9	1.0	1.0	. 9		3.9	.0	.0	.0	.5	.6	.0	.3	.1	.0	.0	3.4	
SE	.3	.0	.0	.0		1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	
5	.1	.1	.0	.1		4.3	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.1	
SW	.1	.1	.0			2.7	.0	.0	.0	.0		.0	.0	.0	.0	.0	.2	
	.1	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
NW	.9	.6	.7	.3		4.0	.0	.0		.1	.3	.1	.1	.0	.0	.0	1.9	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
CALM	.2	.0	.1	.0		2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	
TOT OBS	255	188	300	166	909	4.4	3	1	8	47	142	80	47	19	3	9	550	909
TOT PCT	28.1	20.7	33.0		100.0		.3	•1	.9	5.2	15.6	8.8	5.2	2.1	.3	1.0	60.5	100.0

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING MEIGHT (NH >4/8) AND VSBY (NM)

				VSBY (NM)			
CEILING	# DR	- DR	· OR	• DR	= nR	• OR	- DR	- OR
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
OR >6500	.9	1.3	1.3	1.3	1.3	1.3	1.3	1.3
DR >5000	2.6	3.4	3.5	3.5	3.5	3.5	3.5	3.5
OR >3500	6.9	8.7	8.8	8.8	8.8	8.8	8.8	8.8
DR >2000	14.0	17.4	17.6	17.6	17.6	17.6	17.6	17.6
OK >1000	26.2	33.0	33.2	33.2	33.2	33.2	33.2	33.2
OR >600	29.6	37.8	38.1	38.1	38.1	38.1	38.1	38.1
OR >300	30.1	38.8	39.2	39.2	39.2	39.2	39.2	39.2
OR >150	30.2	38.9	39.3	39.3	39.3	39.3	39.3	39.3
DR > 0	30.2	39.0	39.6	39.6	39.6	39.7	39.7	39.7
TOTAL	275	355	360	360	360	361	361	361

TOTAL NUMBER OF OBS: 910 PCT FREQ NH <5/8: 60.3

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

1 2 3 4 5 6 7 8 OBSCO OBS 13.0 10.6 13.1 12.0 10.9 7.6 8.9 9.7 13.9 .3 970

0

								4	UNE								
PERIOD:	(PRIMARY) (OVER-ALL)	1897-1973 1854-1973						TAR	LE 8				ARE	A 0007	CAPE 15.5N	VERDE 23.9	ISLANDS
				ERCENT	FREQ P	PITATI	DIRECTON WIT	TION V	S DCC	URRENCE ALUES	E DR N	IBILIT	URRENC	E OF			
	VSBY (NM)		N	NE	E	SE	s	SW	W	NW	VAR	CALM	PCT	TOTAL			
		PCP	.0	.0	.0	. 2	.0	.0	.0	.0	.0	.0	.0				
	<1/2	NO PCP			. n	.0	.0	.0	.0	.0	.0	.0	.1				
		TOT %			:0	.0	.0	.0	.0	.0	.0	.0	.1				
		PCP	.0	.1	0	.0	. 0	.0	.0	.0	.0	.0	.1				
	1/24	NO PCP	.4	2.2	.0	.0	.0	.0	.0	.0	.0	.0	3.3				
		TOT %	.4	2.3	.7	.0	.0	.0	.0	.0	.0	.0	3.4				
		PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0				
	1<2	NO PCP	.0	.0 .7 .7		.0	.0	.0	.0	.0	.0	.0	1.0				
		TOT %	.3	.7	:	.0	.0	.0	.0	.0	.0	.0	1.0				
		PCP		.0	.0	.0	.0	.0	.0		.0	.0	.1				
	2<5	NO PCP	.3	.4	.0	.0	.0	.0	.0	.0	.0	.0	.6				
		TOT %	.3	.4	.0	•0	.0	.0	.0		.0	.0	.7				
		PCP		.4	.0	.0	.0	.0	.0	.0	.0	.0	.4				
	5<10		8.3	24.4	5.2	.5	.2	.3	:1	.5	.0	.2	40.7				
		TOT %	8.3	24.7	6.2	.5	.2	.3	.1	.5	.0	•2	41.0				
		PCP	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1				
	10+	NO PCP	16.0	33.4	2.3	.4		.1	.1	1.4	.0	.1	53.7				
	And the same	TOT %	16.1	33.4	2.3	:4		.1	.1	1.4	.0	.1	53.8				

TOT OBS TOT PCT 25.4 61.4 9.3 .8 .3

VSBY	SPD	N	NE	E	SE	S	SH	W	NW	VAR	CALM	PCT	TOTAL
(MM)	KTS												DBS
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	.0		.0	.0	.0	.0	.0	.0	.0			
	11-21			.0	.0	.0	.0	.0	.0	.0		.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %		.1	.0	.0	•0	.0	.0	.0	.0	.0	•1	
	0-3	.1		.0	.0	.0	.0	.0		.0	.0	.1	
1/2<1	4-10		.4	.1	.0	.0	.0	.0	.0	.0		.6	
	11-21	.1	.8	.2	.0	.0	.0	.0	.0	.0		1.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.2	1.2	.4	.0	.0	.0	.0		.0	.0	1.8	
	0-3		.2	.0	.0	.0	*	*	.0	.0	.0	.1	
1<2	4-10	.1	.2		.0	.0	.0	.0	.0	.0		.3	
	11-21	.1	.3	*	.0	.0	.0	.0	.0	.0		.4	
	22+			.0	.0	.0	.0	.0	.0	.0		.1	
	TOT %	• 2	.5		.0	.0		*	.0	.0	.0	.8	
	0-3	.1	.1	.1	.0	.0	.0	.0	.0	.0	.1	.4	
2<5	4-10	.2	.6	.1	.0	.0	.0	.0		.0		.9	
	11-21	.4	.9	.1	.0	.0	.0	.0		.0		1.4	
	22+	.1	.1		.0	.0	.0	.0	.0	.0		.2	
	TOT %	.7	1.7	.3	.0	•0	.0	.0		.0	.1	2.8	
	0-3	.4	.3	.1	.0		.1	.0	.1	.0	.3	1.3	
5<10	4-10	3.2	8.2	2.1	.3	*	.1	.1	.3	.0		14.4	
	11-21	4.4	11.9	1.7	.1		*	.0	.2	.0		18.3	
	22+	.4	1.1	.1	.0	.0	.0	.0	.0	.0		1.7	
	TOT %	8.5	21.6	4.0	.4	•1	. 2	.1	.5	.0	.3	35.7	
	0-3	.3	.7	.2	.0	.0	.0	.1	.2	.0	.2	1.6	
10+	4-10	6.4	15.1	2.0	.2		.1	.1	.6	.0		24.6	
	11-21	8.4	20.4	1.3	.1	.0	.0	.0	.4	.0		30.6	
	22+	.7	1.1			.0	.0	.0	.1	.0		1.9	
	TOT %	15.8	37.2	3.6	.4	*	•1	.2	1.2	.0	.2	58.8	
1	TOT OBS												3096
1	TOT PCT	25.5	62.3	8.3	.8	.2	.4	.3	1.8	.0	.6	100.0	

PERIDD: (PRIMARY) 1897-1973 (OVER-ALL) 1854-1973

TABLE 10

AREA 0007 CAPE VERDE ISLANDS

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND OCCURPENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000	150 299	300 599	600	1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL
00603	.9	.0	1.4	4.1	12.7	5.5	4.1	2.3	.0	.9	31.8	68.2	220
90300	.0	.5	.9	7.0	18.7	7.9	5.1	4.2	.5	.5	45.3	54.7	214
12615	.4	.0	1.9	4.6	13.4	14.1	7.3	1.1	.4	1.9	45.0	55.0	262
18621	.0	.0	.0	4.5	15.9	5.7	3.7	1.2	.4	.4	31.8	68.2	245
TOT	3	1	10	5.0	142	80	48	20	3	1.0	363	578 61.4	941

TABLE 11

TABLE 12

		PERCENT	FREQUEN	CY VSR	(NH)	BY HOUR		CUMULAT					VSBY (NM)	
HOUR (GHT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL UBS	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL
00803	.2	1.3	.8	3.0	34.1	60.8	640	00803	1.0	2.4	6.8	27.1	66.2	207
06609	.2	2.2	.8	2.5	38.5	55.8	914	06609	.0	1.5	9.3	38.7	52.0	204
12615	.0	2.1	.5	2.4	30.0	65.0	623	12615	.4	2.3	7.8	38.0	54.3	258
18621	.0	1.8	1.0	3.2	38.9	55.1	943	18621	.0	.0	5.0	27.8	67.2	241
TOT	3	56	24	87	1124	1824	3120	TOT	3	14	65	300	545	910

TARLE 13

TABLE 14

						-														
	PERC	ENT FR	EQUENC	Y OF R	ELATIV	E HUMI	DITY B	Y TEMP	TOTAL	PCT		PERC	ENT FRE	QUENCY	OF WI	ND DIR	ECTIO	N BY TE	EMP	
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100		FRES	N	NE	E	SE	S	SW	W	NW	VAR	CALM
85/89	.0	.0	.0	.0	.1	.1	.0	.0	2	•2		.1	.0	.0	.0	.0	.0	.0	.0	.0
80/84	.0	.0	.0	.2	.9	1.7	.2	.1	32	3.1	1.0	1.0	.2	.1	.0	.0	.0	.1	.0	. 1
75/79	.0	.0	.0	.2	1.5	18.0	15.2	3.3	397	38.2	10.9	24.6	1.3	.3	.0	.2	.1	. 8	.0	.1
70/74	.0	.0	0	.0	1.5	15.5	28.9	11.2	603	58.0	17.8	34.8	3.3	.2	.1	*	.1	1.4	.0	.2
65/69	.0	.0	.0	.0	.0	.1	.3	.1	5	.5	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0
TOTAL	0	0		4	42		463	152	1039	100.0										
PCT	.0	.0	0.0	.4	4.0	36.4	44.6	14.6			29.8	61.6	4.8	.6	.1	.2	.2	2.3	.0	.4

TABLE 15

	ME ANS,	EXTREM	S AND	PERCEN	TILES	OF TE	AP (DE	G F) A	Y HOUR		PERC	ENT FRE	QUENCY	OF RELA	TIVE H	UMIDITY	BY HOU	R
HOUR (GMT)	MAX	99%	95%	50%	5%	12	MIN	MEAN	TOTAL	HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	HEAN	TOTAL
60300	85	77	76	73	70	69	64	73.1	1144	00503	.0	.0	.8	22.7	56.3	20.3	84	256
90300	86	79	77	73	70	69	65	73.2	1911	90300	.0	.0	1.2	25.8	52.8	20.2	83	252
12615	88	84	81	76	73	71	68	76.1	1067	12615	.0	. 8	10.2	52.9	26.7	9.4	78	255
18821	90	82	80	75	71	70	68	75.0	1857	18821	.0	.7	3.9	42.7	43.4	9.3	80	281
TOT	90	82	79	74	71	69	64	74.2	5979	TOT	0	4	42	378	467	153	81	1044

JUNE

PERIOD: (PRIMARY) 1897-1973 (OVER-ALL) 1854-1973

TABLE 17

AREA 0007 CAPE VERDE ISLANDS 15.5N 23.9W

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA	69	73	77	81	85	TOT	W	WO
THP DIF	72	76	80	84	88		FOG	FOG
11/13	.0	.0	.0	.1	.1	2	.0	.1
9/10	.0	.0	.0	. 2	.1	4	.1	.2
7/8	.0	.0	.1	.3	.1	6	.0	4
	.0	.1	.3	.1	.0	7	.0	:5
5	.0	.3	1.0	:1	.0	21	.1	1.4
4	.1	.6	1.5	.3	.0	36	.1	2.3
6 5 4 3 2 1 0	.2	1.6	1.7	.3	.0	56	.3	3.6
2	.1	4.6	2.7	.1	.0	110	.5	7.0
1	1.0	8.7	3.6	.0	.0	194	. 8	12.4
Ô	2.6	18.3	2.1	.1	.0	338	1.0	22.1
-1	4.1	16.3	.3	.1	.0	304	1.6	19.1
-2	4.6	9.2	. 8	.0	.0	212	.7	13.8
-3	2.3	3.3	.2	.0	.0	85	.4	5.4
-4	1.0	1.6	.0	.0	.0	38	.1	2.5
-5	1.0	. 8	.0	.0	.0	26	.0	1.8
-6	.3	.8	.0	.0	.0	17	.0	1.2
-7/-8	.2	.2	.0	.0	.0	6	.0	.4
-9/-10	.0	.1	.0	.0	.0	1	.0	.1
TOTAL	256		208		3		84	1379
		973		23	1 1	1463		
PCT	17.5		14.2	1.6	.2	100.0	5.7	94.3

PERIOD: (OVER-ALL) 1963-1973

				PC	T FREQ	OF WIND	SPEED	(KTS) AND DIE	ECTION	VERSUS S	SEA HEIG	SHTS (FT)	
				N							NE			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.2	.0	.0	.0	.0	9:8		7	.0	.0	.0	.0	.9
1-2	.0	7.4	2.4	.0	.0	.0	9.8	. (.0	.0	.0	17.2
3-4	.1	3.9	7.6	.2	.0	.0	11.8				.0	.0	.0	22.6
5-6	.0	.9	4.6	.7	.0	.0	6.2		2.2		1.0	.0	.0	14.1
7	.0	.1	2.0	.1	.1	.0	2.4	•			1.3	.1	.0	5.4
8-9	.0	.0	.1	.0	.0	.0	.1	.(.4	.0	.0	.6
10-11	.0	.0	.0	.5	.0	.0	.5				.4	.0	.0	.4
12	.0	.0	.1	.0	.0	.0	.1	.(.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	. (.0	.0	.0	.2
17-19	.0	.0	.0	.0	.0	.0	.0				.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	. (.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	• (.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	. (.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0				.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	. (.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	. (.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0				.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	. (.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.(.0	.0	.0	.0
TOT PCT	.3	12.5	16.8	1.5	•1	.0	31.3	•	22.1	35.7	3.0	•1	•0	61.3
				E							55			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0				.0	.0	.0	.0
1-2	.0	1.2	.1	.0	.0	.0	1.4	.(.0	.0	.0	.2
3-4	.0	.3	.7	.0	.0	.0	1.1	.(.0	.0	.0	.0
5-6	.0	.2	1.4	.0	.0	.0	1.6	. (.2	.0	.0	.2
7	.0	.0	.0	.0	.1	.0	.1	. (.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.(.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.(.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.(.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.(.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.(.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.(.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	. (.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0				.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0				.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0				.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0				.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0				.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0				.0	.0	.0	.0
TOT PCT	.0	1.7	2.3	.0	-1	.0	4.7				. 2	.0	.0	

PERIOD:	inve	0-4111	1943-1	0-13					JUNE				AREA	0007	CARE	VERNE	ISLANDS
LEWIDD:	(DAE	M-ALL)	1403-7	7/3				TABLE	18 (CONT)			AREA			23.9W	ISLANDS
				PC	T FREQ	OF SIND	SPEED	(KTS)	AND DIRE	CTION	VERSUS S	EA HELO	HTS (FT				
_				5								SW					
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10		22-33	34-47	48+	PC		
<1	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	. (
1-2	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	• !		
5-6	.0	.0	.0	.0	.0	.0	.0		.0	• 2		.0	.0	.0			
7			.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	• (
8-9	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	•		
10-11	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0			
	.0		.0	.0	.0	.0	.0		.0	•0		.0	.0	.0	•		
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0			
17-19	.0	.0	.0	.0	.0				.0	.0		.0	.0	.0			
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	:		
23-25	.0	.0	.0	.0	.0							.0	.0	.0			
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0			
33-40	.0			.0	.0									.0			
41-48		.0	.0		.0	.0	.0		.0	.0		.0	.0	.0			
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0			
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	:		
71-86	.0	.0	.0	.0	.0		.0		.0	.0		.0	.0	.0	:		
87+	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0			
TOT PCT	.0	.0	.0	.0	.0	.0	.0		.0	.2		.0	.0	.0	:		
	••	••	••	••	••		•		••								
												NW				TO	TAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PC	T P	CT
<1	.0	.0	.0	.0	.0	.0	.0		.4	.0		.0	.0	.0			
1-2	.0	.0	.0	.0	.0	.0	.0		.2	.4		.0	.0	.0			
3-4	.0	.0	.0	.0	.0	.0	.0		.2	. 2		.2	.0	.0	1.0		
5-6	.0	.0	.0	.0	.0	.0	.0		.0	.0	.1	.0	.0	.0		1	
7	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0			
8-9	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0		0	
10-11	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0			
12	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	1	*	
13-16	.0	.0	.0	.0	0	.0	.0		.0	.0		.0	.0	.0			
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0		0	
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0			
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.1		
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.1	0	
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	. (0	
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	. (
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	. (0	
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	. (0	
71-86	.0	.0	.0	.0	.0	.0	.0	15.71	.0	.0	.0	.0	.0	.0	. (0	
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	. (
		.0													2.		

	WIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	1.0	1.2	.0	.0	.0	.0	2.3	
1-2	• 2	20.8	8.2	.0	.0	.0	29.1	
3-4	.3	11.3	24.4	.3	.0	.0	36.5	
5-6	•0	-3.3	16.9	1.9		.0	22.2	
7	.2	.9	5.2	1.4	.3	.0	8.0	
8-9	.0	.0	.3	.3	.0	.0	.7	
10-11	.0	.0	.0	.9	.0	.0	.9	
12	•0	.0	.2	.0	.0	.0	.2	
13-16	.0	.0	.2	.0	.0	.0	.2	
17-19	•6	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	•0	.0	.0	.0	.0	.0	.0	
33-40	•0	.0	.0	.0	.0	.0	.0	
41-48	•0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	•0	.0	.0	.0	.0	.0	.0	
71-86	•0	.0	.0	.0	.0	.0	.0	
87+	•0	.0	.0	.0	.0	.0	.0	
		11.				7.00		573
TOT PCT	1.7	37.5	55.5	4.9	.3	.0	100.0	

PER 100:	(OV	ER-ALL	194	9-197	,				TABL	E 19											
					PERCENT	FRE	QUENCY	OF I	HAVE HE	IGHT (FT) VS	WAVE P	ERIOO	SECON	051						
PERIOD (SEC)	<1	1-2	3-4	5~6	7	8-9	10-11		12 13-1	6 17-1	9 20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN
<6	. 6	9.2	15.5	10.8	3.7	.6	.1		.0 .	0 .	0 .0	.0	.0	.0	.0	.0	.0	.0	.0	327	4
8-9	.0		10.7	13.3	5.8	1.2	1.2			2 .	0 .0		.0	.0	.0	.0	.0	.0	.0	275	5
10-11	.0	.2	.4	1.5	1.0	.5	.1		.1 .				.0	.0	.0	.0	.0	.0	.0	31	6
12-13	.0	.0	.1	.1	.2	. 2	.1		.0 .					.0	.0	.0	.0	.0	.0	7	7
		.0	.0	.1	.0	.0			.0 .				.0	.0	.0	.0	.0	.0	.0	1	5
>13 INDET	.0	3.6	3.9	2.4	1.2	.0	.0		.0 .				.0	.0	.0	.0	.0	.0	.0	93	3
TOTAL	9	115	256	251	114	36	14		7	2	0 0	0	0	0	0	0	0	0	0	804	4
PCT	1.1	14,3	31.8	31.2	14.2	4.5	1.7		.9 .	2 .	0 .0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

JULY

PERIOD: (PRIMARY) 1895-1973 (OVER-ALL) 1854-1973

TABLE 1

AREA 0007 CAPE VERDE ISLANDS 15.5N 24.0W

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

			P	RECIPI	TATIO	N TYPE					DTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	DTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THOR	FOG WU PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	
N	.1	.4	.4	.0	.0	.0	.0	9	.4	.0	2.0	.0	2.9	.0	93.2
NE	.4	.7	.1	.0	.0	.0	.0	1.2	.1			.0	1.7	.1	93.8
E	.0	3.4	.0	.0	.0	• 0	.0	3.4	.5	.0	6.0	.0	2.6	.5	86.9
SE	2.5	1.9	2.5	.0	.0	.0	.0	6.9	.0	.0	2.5	.0	5.0	.0	85.5
5	.0	6.0	.0	.0	.0	.0	.0	6.0	.0	.0	.0	.0	.0	.0	94.0
SW	.0	11.1	.0	.0	.0	.0	.0	11.1	.0	.0	.0	.0	.0	.0	88.9
×	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.7	.0	5.8	.0	86.5
NW	. 8	.0	.0	.0	.0	.0	.0	.8	.4	.0	1.6	.0	7.1	. 8	89.4
VAR	.0	.0	.0	.0	.0	•0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.3	5.3	89.5
TOT PCT	1541	1.1	.2	.0	.0	.0	.0	1.6	.3	.0	3.0	.0	2.5	.4	92.2

TADIE -

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			P	RECIPI	TATIO	TYPE					OTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT	PCPN PAST HOUR	THOR	FOG WD PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	
00603 06609 12615 18621	.3 .5 .8	2.2 2.1 .5	.0	.0	.0	•0	.0	2.4 3.0 1.6	.5 .0 .3 .2	.0	1.6 4.6 2.1 4.0	.0 .0	2.2 1.8 3.7 2.6	.3 .2 .5	93.0 90.3 91.8 91.7
TOT PCT	1607	1.4	.2	.0	.0	•0	.0	2.0	.2	.0	3.2	.0	2.6	.4	91.7

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		WI	ND SPE	ED (KN	וצדם								HOUR	(GMT)			
WND DIR	0-3			22-33		48+	TOTAL	PCT	SPD	00	03	06	09	12	15	18	21
N NE	1.4	12.5	8.0	1:7	:	.0		22.6	10.1	29.0	48.8	23.3	23.8	33.2	18.4	22.6	19.4
3	1.0	8.6	5.4	.6	.0	.0		15.6	10.2	9.8	23.2	15.0	13.4	7.1	19.8	15.4	18.1
SE	.3	1.8	.5		.0	.0		2.7	8.4	2.0	4.6	2.3	2.3	1.4	2.8	2.3	3.4
S	.3	.6	.1	.0	.0	.0		1.0	5.8	1.4	.9	1.2	.3	. 6	.5	1.2	1.3
SW	.2	.4	.1		.0	.0		.7	7.0	.3	1.1	.9	.3	.9	.4	.9	.7
W	.3	.6	.1	.0	.0	.0		1.0	5.7	.5	1.2	1.3	1.0	1.7	.7	.7	.7
NW	.5	2.1	.7		.0	.0		3.3	7.8	5.4	1.8	4.1	2.8	5.4	1.6	3.7	2.5
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	2.5				-			2.5	.0	3.1	3.1	2.8	2.8	2.5	1.2	2.0	2.5
TOT OBS	543	3241	2149	183	2	0	6118		9.9	478	650	1135	815	489	670	1065	816
TOT PCT	8.9	53.0	35.1	3.0	*	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

WND DIR	0-6	7-16	SPEED 17-27		41+	TOTAL	PCT	MEAN SPD	00	06 09	12 15	18 21
N	6.2	13.2	3.1	.1	.0		22.6	10.1	21.2	23.5	24.6	21.2
NE	11.4	31:4	7.6	.2	.0		50.7	10.7	48.7	50.9	51.5	51.3
E	4.4	8.8	2.4	.1	.0		15,6	10.2	17.5	14.3	14.4	16.6
SE	1.2	1.2	.3		.0		2.7	8.4	3,5	2.3	2.2	2.8
S	.7	.3		.0	.0		1.0	5.8	1.1	.8	.6	1.2
SW	.5	.2	.1	.0	.0		.7	7.0	.7	.7	.6	.8
W	.6	.3		.0	.0		1.0	5.7	.9	1.2	1.1	.7
NW	1.4	1.8	.1		.0		3.3	7.8	3.3	3.6	3.2	3.1
VAR	.0	.0	:0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	2.5						2,5	.0	3.1	2.8	1.7	2.2
TOT OBS	1764	3500	829	25	0	6118		9.9	1128	1950	1159	1881
TOT PCT	28.8	57.2	13.6	.4	.0		100.0		100.0	100.0	100.0	100.0

PERCENTAGE	FREQUENCY	OF	WIND	SPEED	BY	HUUR	(GMT)

				WIND	SPEED (KNOTS)			PCT	TOTAL
HOUR	CALM	1-3	4-10	11-21	22-33	34-47	48+	MEAN	FREQ	DBS
00603	3.1	6.3	54.5	33.4	2.7	.0	.0	9.7	100.0	1128
90330	2.8	7.1	55.7	31.3	3.0	.1	.0	9.5	100.0	1950
12615	1.7	5.3	50.9	39.3	2.7	.1	.0	10.3	100.0	1159
18621	2.2	0.4	50.5	37.5	3.3	.0	.0	10.2	100.0	1881
TOT	151	392	3241	2149	183	2	0	9.9		6118
PCT	2.5	4 4	52 A	26 1	2 0		0		100 0	

P	CT FRE			CLOUD A		EIGHTHS)							CEILIN NH <5/					
WNO DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL	CLOUD COVER	000 149	150 299	300 599	600	1000	2000	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	
N	5.9	6.5	10.3	8.8		5.1	.0	.0	.5	2.2	6.8	2.9	1.5	.8	.4	.2	16.2	
NE	10.1	10.5	15.3	14.0		5.0	.0	.0	.7	4.1	10.4	4.9	1.8	.7	.6	.6	25.8	
E	2.3	1.8	3.2	1.6		4.6	.0	.0	.1	.5	1.9	.6	.2	. 2	.0	.1	5.3	
SE	.6	.2	.7	. 4		4.6	.0	.0	.0	.2	.3	.1		.0	.0	.0	1.2	
S	.6	.4	.2	.1		3.0	.0	.0	.1	.0	.2	.0	.0	.0	.0	.0	1.1	
SW	. 2	.1	.1	. 2		5.3	.0	.0		.0	.2	.0	.1	.0	.0	.0	.2	
W	.1	.0	.3	.1		5.7	.0	.0	.0	.0	.2	.0	.0	. 2	.0	.0	. 2	
NW	.9	.6	1.4	1.1		5.0	.0	.0		.2	.9	.2	.0	.3	.1	.0	2.3	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	. 6	.2	.4	.3		3.9	.0	.0	.0	.0	.2	.1	.0	.0	.0	.0	1.2	
TOT DBS	207	198	312	259	976	5.0	0	0	14	71	206	86	36	21	11	9	522	976
TOT PCT	21.2	20.3	32.0	26.5	100.0	1000000	.0	.0	1.4	7.3	21.1	8.8	3.7	2.2	1.1	.9	53.5	100.0

CUMULATIVE PCT FREQ	OF SIMULTANFOUS OCCURRENCE
OF CETLING HEIGHT	(NH >4/8) AND VSBY (NM)

					VSBY (NM	1)			
C	EILING	· DR	■ DR	- DR	- DR	= nR	= DR	- DR	- DR
(FEETI	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
	>6500	1.3	2.1	2.1	2.1	2.1	2.1	2.1	2.1
. OR	>5000	2.9	4.0	4.0	4.0	4.1	4.1	4.1	4.1
. DR	>3500	5.4	7.6	7.7	7.7	7.8	7.8	7.8	7.8
· DR	>2000	12.3	16.5	16.6	16.6	16.7	16.7	16.7	16.7
. DR	>1000	28.6	37.3	37.5	37.5	37.6	37.6	37.6	37.6
. OR	>600	34.1	44.5	44.8	44.8	44.9	44.9	44.9	44.9
. DR	>300	35.2	45.9	46.2	46.2	46.3	46.3	46.3	46.3
. DR	>150	35.2	45.9	46.2	46.2	46.3	46.3	46.3	46.3
. DR	> 0	35.2	45.9	46.2	46.2	46.3	46.3	46.3	46.3
	TOTAL	352	459	462	462	463	463	463	463

TOTAL NUMBER UF OBS: 1001 PCT FREQ NH <5/8: 53.7

TABLE 7A

PERCENTAGE FREQ DF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 OBSCD OBS 8.1 12.0 10.7 12.3 10.7 6.8 8.7 9.3 21.8 .0 1056

JULY

PERIOD:	(PRIMARY)	1895-1973
	LOVED ALL	1954 1075

TABLE 8

AREA 0007 CAPE VERDE ISLANDS 15.5N 24.0W

				PREC	IPITAT	ION WIT	H VARY	ING V	ALUES	of VIS	IBILI	TY	
(NM)		N	NE	F	SE	S	SW	¥	NW	VAR	CALM	PCT	TOTAL
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	PCP	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.1	
12<1	NO PCP	.3	1.4	.7	.1	.0	.0	.1	.0	.0	.0	2.6	
	TOT %	.3	1.5	. 6	• 1	.0	.0	.1	.0	.0	.0	2.7	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<2	NO PCP		.4	.0	.1	.0	.0	.0	.1	.0	.0	.5	
	TOT %		.4	.0	.1	.0	.0	.0	. 1	.0	.0	.5	
	PCP	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.1	
<5	NO PCP	.3	.5	. 1	.0	.0	.0	.0	.1	.0	.0	1.0	
	TOT %	.3	.5	:1	.0	:0	.0	:0	.1	.0	.0	1.0	
	PCP	.1	.5	.4	.1		.1	.0		.0	.0	1.2	
<10	NO PCP	8.1	19.1	6.3	1.5	.3	.4	.5	1.8	.0	.4	38.5	
	TOT %	8.3	19.6	6.7	1.6	:3	.5	.5	1.8	.0	.4	39.8	
	PCP	.1		.0			.0	.0	.0	.0	.0	.2	
0+	NO PCP	17.5	28.1	4.9	.7	1.0	.4	.3	2.1	.0	.8	55.7	
	TOT %	17.6	28.2	4.9	.7	1.0	.4	.3	2.1	.0	. 8	55.9	
	TOT OBS												154
	TOT PCT	26.5	50.1	12.4	2.6	1.4	.9	. 8	4.1	.0	1.2	100.0	

						OF WIN					ED		
VSBY (NM)	SPD	N	NE	E	SE	s	SW	w	NW	VAR	CALM	PCT	TOTAL
	U-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	.0			.0	.0	.0	.0	.0	.0		*	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0			.0	.0	.0	.0	.0	.0	.0	*	
	0-3	.0	.0	.0	.0		.0	.0	.0	.0	.1	.1	
1/2<1	4-10	.1	.4	.3		.0	.0		.0	.0		.8	
	11-21	.1	.3	.1	.0	.0	.0	.0	.0	.0		.5	
	22+	.0	.0		.0	.0	.0	.0	.0	.0		*	
	TOT \$.2	.7	.4			.0		.0	.0	.1	1.5	
	0-3	.0	.0	.0	.0	.0	.0	.0		.0	.0		
1<2	4-10	. 1	.2			.0	.0	.0		.0		. 3	
	11-21		.2		.0	.0	.0	.0	.0	.0		.3	
	22+	.0		.0	.0	.0	.0	.0	.0	.0			
	TOT %	.1	.5	.1		.0	.0	.0		.0	.0	.7	
	0-3		.2	.0	.0	.0				.0	.1	.4	
2<5	4-10	.3	.6	.1	.1		.0		.1	.0		1.3	
	11-21	.3	.5	0	.0	.0	.0			.0		.9	
	22+			•	.0	.0	.0	.0	.0	.0		.1	
	TOT *	.6	1.4	2	.1	•		.1	.1	.0	.1	2.6	
	0-3	.6	.6	.3	.2		.:	.1	.3	.0	.6	2.8	
5<10	4-10	3.9	8.9	3.1	.6	.2	.1	.3	.9	.0		18.0	
	11-21	2.7	7.6	1.4	.1		.1		.3	.0		12.3	
	22+	.2	.3		.0	.0	.0	.0		.0		.5	
	TOT %	7.4	17.4	4.9	.9	.3	.3	.5	1.5	.0	.6	33.7	
	0-3	.9	1.3	.5	.1	.2	.1	.4	.2	.0	1.1	4.8	
10+	4-10	10.3	18.3	4.5	1.1	.5	.2	.5	1.6	.0		37.0	
	11-21	5.8	11.3	1.1	.1	.1	.1	.1	.6	.0		19.2	
	22+	.1	.3	.1	.0	.0	.0	.0		.0		.5	
	TOT %	17.1	31.2	6.2	1.2	.8	.4	.9	2.4	.0	1.1	61.4	
	TOT ORS												3089
1	TOT PCT	25.4	51.1	11.8	2.4	1.1	.7	1.5	4.1	.0	1.9	100.0	

PERIOD: (PRIMARY) 1895-1973 (OVER-ALL) 1854-1973

TABLE 10

AREA 0007 CAPE VERDE ISLANDS 15.5N 24.0W

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND

00	CUP	RE	NCE	OF	NH	(5/8	BY	HOUR	

HOUR (GMT)	149	150 299	300 599	999	1999	2000 3499	3500 4999	5000	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL
00603	.0	.0	1.2	5.5	19.6	6.3	3.9	2.0	.8	.4	39.6	60.4	255
06609	.0	.0	.4	7.4	24.6	13.1	2.0	2.5	1.2	.4	51.6	48.4	244
12615	.0	.0	2.5	9.2	17.7	8.9	5.3	2.1	1.8	1.8	49.3	50.7	282
18621	.0	.0	1.2	6.1	19.8	6.5	2.8	1.6	.4	1.2	39.7	60.3	247
TOT	0	0	14	73	209	89	37	21	11	10	464	564	1028

TABLE 11

TABLE 12

			PERCENT	FREQUEN	CY VSBY	(NM)	BY HOUR		CUMULAT					VSBY (NM)	
	HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL	HDUK (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL
	60300	.0	1.1	.3	1.8	33.3	63.5	657	E0300	.0	1.2	7.2	33.5	59.4	251
	06609	.0	2.0	.7	2.9	35.4	59.0	938	90360	.0	.9	10.5	45.0	44.5	229
	12615	.2	1.4	1.1	2.3	29.6	65.5	649	12615	.0	2.5	12.5	38.0	49.5	279
3	18621	.0	1.6	.8	3.0	37.2	57.4	911	18621	.0	1.2	8.7	33.1	58.3	242
	TOT PCT	1 *	50 1.6	23	81	1082	1918	3155 100.0	TOT PCT	.0	15	98 9.8	373 37.3	530 52.9	1001

TABLE 13

	PERC		EQUENC	OF R	FIATIV	-	11TV 0	V TEND		
									TOTAL	PCT
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	nBs	FREQ
85/89	.0	.0	.0	.1	.4	.1	.0	.0	6	.6
80/84	.0	.0	.0	.3	1.9	4.5	2.2	.7	100	9.6
75/79	.0	.0	.0	.0	2.9	26.9	28.9	8.3	695	67.0
70/74	.0	.0	.0	.0	.7	5.8	11.8	4.5	236	22.7
65/69	.0	.0	.0	.0	.0	.0	.1	.0	1	.1
TOTAL	0	0	0	4	61	387	446	140	1038	100.0
PCT	.0	.0	.0	.4	5.9	37.3	43.0	13.5		

TABLE 14

	PERCE	NT FR	EQUENCY	OF WI	ND DIR	ECTION	BY T	EMP	
N	NE	E	SE	s	SW	W	NW	VAR	CALM
.3	.1	.0	.0	.1		.0	.0	.0	.0
3.7	3.2	.0	.0	.3	.1	.1	. 8	.0	.5
18.9	34.0	6.6	1.5	.1	.5	.4	3.3	.0	1.0
6.7	13.0	1.6	.4	.4	.1	.0	.5	.0	.2
.0	.1	.0	.0	.0	.0	.0	.0	.0	.0
29.6	50.4	9.1	2.0	1.6	.7	.5	4.6	.0	1.6

TABLE 15

	MEANS,	EXTREMES	AND	PERCEN	TILES	OF TE	AP (DE	G F) B	Y HOUR
HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL
00603	85	80	78	75	72	71	68	75.2	085 1125
06609	89	81	79	75	72	71	68	75.2	1940
12615	90	86	82	78	74	72	67	77.8	1124
18821	90	84	82	77	73	72	67	76.8	1838
TOT	90	82	91	74	72	71	47	74 2	4027

	PERC	ENT FRE	QUENCY	OF RELA	TIVE H	UNIDITY	BY HOUR	
HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
00803	.0	.0	1.5	25.1	58.2	15.2	83	263
90300	.0	.4	3.3	24.5	49.3	22.6	83	274
12615	.0	.7	10.9	50.0	30.3	8.0	78	274
18821	.0	.4	7.4	50.0	34.8	7.4	79	256
TOT	0	4	62	398	460	143	81	1067

JULY

PERIOD: (PRIMARY) 1895-1973 (OVER-ALL) 1854-1973

TABLE 17

AREA 0007 CAPE VERDE ISLANDS 15.5N 24.0W

PCT FREQ OF AIR TEMPERATURE (DFG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

		3		L		ru Euror				
AIR-SEA	65	69	73	77	A1	85	89	TOT	W	WD
THP DIF	68	72	76	80	84	88	92		FOG	FOG
11/13	.0	:0	.0	.0	.0	:1	.1	2	.0	.1
9/10	.0	.0	.0	.0	. 1	.2	.1	6	.1	.3
7/8	.0	.0	.0	.3	.5	.3	.0	15	.0	1.0
	.0	.0	.0	.3	.6	.0	.0	14	.0	1.0
5	.0	.1	.0	.3	. 8	.0	.0	17	. 1	1.1
4	.0	.0	.1	1.6	. 8	.0	.0	38	.1	2.5
3	.0	. 1	.8	1.7	.7	.1	.0	49	.3	3.1
5 4 3 2	.0	.0	1.8	3.8	1.6	.1	.0	108	.3	7.1
1	.0	. 1	4.8	6.7	.4	.0	.0	175	.4	11.6
o	.0	.1	11.1	8.0	.5	.0	.0	288	1.0	18.7
1 0 -1	.0	.3	17.2	6.1	.4	.0	.0	351	.7	23.4
-2	.0	.6	9.0	3.2	. 1	.0	.0	189	.1	12.8
-3	.0	.6	3.8	2.0	.0	.0	.0	91	.0	6.2
-2 -3 -4 -5 -6	.0	. 1	3.0	1.0	.0	.0	.0	60	.0	4.1
-5	.0	.2	1.9	.3	.0	.0	.0	36	.0	2.5
-6	.0	.1	.3	.1	.0	.0	.0	8	.0	.5
-7/-8	.1	.0	.5	.1	.0	.0	.0	10	.0	.7
-9/-10	.0	.0	.1	.0	.0	.0	.0	2	.0	.1
TOTAL	1		797		96		2		45	1414
		31		521		11		1459		
PCT	. 1	2.1	54.6	35.7	6.6	. 8	-1	100.0	3.1	96.9

PERIOD: (OVER-ALL) 1963-1973

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

				N							NE			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.8	1.2	.0	.0	.0	.0	2.0	.5	2.7	.0	.0	.0	.0	3.2
1-2	.3	10.9	1.3	.0	.0	.0	12.5	1.0	17.4	5.9	.0	.0	.0	24.3
3-4	.2	4.4	4.8	.3	.0	.0	9.7	.4	6.6	6.8		.0	.0	13.8
5-6	.0	1.9	3.1	.0	.0	.0	5.0	.0	1.4	6.0	.2	.0	.0	7.5
7	.0	.0	.9	.0	.0	.0	.9	.0	.2	1.1	*	.0	.0	1.4
8-9	.0	.0	.2	.1	.0	.0	.3	.0	.0	.4	.2	.0	.0	.5
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	•0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	•0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	•0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40 41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0		.0	.0	.0		.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.2	18.4	10.2	.4	.0	.0	30.3	1.8	28.4	20.1	.5	.0	.0	50.8
					••	••	30.9		2014	20.1			••	20.0
HGT	1-3			E							SE 22-33			
		4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21		34-47	48+	PCT
1-2	.0	2.6	.0	.0	.0	.0	6	.1	0	.0	.0	•0	.0	1
3-4	.0	1.6	.5	.0	.0	.0	3.1	.0	1.0	.0	.0	•0	.0	1.0
5-6	.5	.8	1.3	.0	.0	.0	2.3	.0	.0	.4	.0	.0	.0	.8
7	.0	.0	.0	.3	.0	.0		.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.7													

	IJ	

PERIOD: (QVER-ALL) 1963-1973

AREA 0007 CAPE VERDE ISLANDS 15.5N 24.0M

TABLE	18	CON

CT	EDEA	DE	HTMA	eDe-n	IVTEL		DIRECTION	Meneile		HETCHTE	167
	LKEN	ur	1 1417	PLEFA	14121	MINU	DIRECTION	AFK 202	SEW	WETCHID	111

				S							SW				
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	.3	.0	.0	.0	.0	.0	.3	.0	.2	.0	.0	.0	.0	.2	
1-2	.0	.6	.0	.0	.0	.0	.6	.0		.0	.0	.0	.0		
3-4	.0	.4	.0	.0	.0	.0	.4	.0	.2	.0	.0	.0	.0	.2	
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.1	.0	.0	.0	.1	.0	.0		.0	.0	.0		
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.3	1.0	.1	.0	.0	.0	1.4	.0	.4		.0	.0	.0	.5	
											NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL
<1	.0	.0	.0	.0	.0	.0	.0	.2	.4	.0	.0	.0	.0	.6	
1-2	.0	.0	.0	.0	.0	.0	.0	.0	1.6		.0	.0	.0	1.7	
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.6	.4		.0	.0	1.1	
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.4	.4	.0	.0	.0	.8	
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.2	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0		
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.2	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.2	3.0	1.2	.1	.0		4.5	98.4

WIND SPEED (KTS) VS SEA HEIGHT (FT)

нст	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	4.2	5.3	.0	.0	.0	.0	9.4	OBS
1-2	1.6	33.9	7.4	.0	.0	.0	42.9	
3-4	.5	14.1	12.7	.5	.0	.0	27.9	
5-6	.5	4.3	10.7	.2	.0	.0	15.8	
7	.0	.2	2.4	.4	.0	.0	2.9	
8-9	.0	.0	.5	.4	.0	.0	.9	
10-11	.0	.0	.2	.0	.0	.0	.2	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	•0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	• 0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	• 0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								552
TOT PCT	6.9	57.8	33.9	1.4	-0	.0	100.0	

PERIOD: (DVER-ALL) 1949-1973

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (S	SECONDS
---------------------------------------------------------	---------

PERIOD	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN
(SEC)																					HGT
<6	1.9	12.9	15.2	9.6	1.3	. 8	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	324	3
6-7	.4	1.7	9.9	11.6	4.3	.9	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	226	5
8-9	.0	.1	2.3	2.9	2.5	1.0	.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	73	6
10-11	.0	.0	.3	.6	1.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	20	6
12-13	.0	.0	. 8	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10	4
>13	.0	.0	.0	.4	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	5
INDET	2.3	3.9	5.2	2.9	.4	.1	.0	.0	•0	.0	.0	+0	.0	.0	.0	.0	.0	.0	.0	114	3
TOTAL	36	143	259	219	76	24	11	2	0	0	0	0	0	0	0	0	0	0	0	770	4
PCT	4.7	18.6	33.6	28.4	9.9	3.1	1.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1896-1973 (OVER-ALL) 1854-1973

TABLE 1

AREA 0007 CAPE VERDE ISLANDS 15.5N 24.0W

PERCENT F	REQUENCY	OF	WEATHER	DECURRENCE	BY	WIND	DIRECTION
-----------	----------	----	---------	------------	----	------	-----------

			P	RECIPI	GITAT	H TYPE					OTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	POG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	ND S1G WEA
N	1.4	.3	.5	.0	.0	.0	.0	2.2	.7	.1	4.5	.0	1.2	.0	91.3
NE	.6	1.0	. 6	.0	.0	.0	.1	2.5	.6	. 8	5.6	.0	1.9	.0	88.6
E	.0	2.8	.0	.0	.0	•0	.3	3.1	1.3	3.3	7.6	.0	2.1	.0	82.8
SE	.0	1.7	.0	.0	.0	•0	.0	1.7	2.3	2.3	12.6	.0	2.3	2.3	76.4
S	.0	9.1	.0	.0	.0	.0	.0	9.1	.0	2.6	.0	.0	.0	.0	88.3
SW	10.8	4.1	2.7	.0	.0	.0	.0	17.6	.0	.0	5.4	.0	.0	.0	77.0
	2.5	6.4	.0	.0	.0	.0	.0	8.9	2.5	.0	10.2	.0	.0	.0	78.3
NW	.0	.0	.0	.0	.0	.0	.0	.0	6.6	.6	6.6	.0	1.2		85.1
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.1	.0	.0	3.0	.0	90.9
TOT PCT	1.0	1.4	.6	.0	.0	.0	.1	3.0	1.1	1.0	5.6	.0	1.6	.1	87.6

TABLE ?

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	ND SIG WEA
60300	.3	.8	1.1	.0	.0	•0	.3	2.4	.8	1.9	2.7	.0	1.9	.3	90.3
90330	1.8	3.0	1.0	.0	.0	.0	.0	5.8	1.8	2.3	6.8	.0	.5	.0	82.8
12615	.6	1.5	.3	.0	.0	•0	.0	2.4	1.5	.0	5.2	.0	2.4	.0	88.5
18621	1.2	.7	.0	.0	.0	•0	.0	2.0	.5	.7	7.7	.0	2.0	.0	87.0
TOT PCT	1.0	1.5	.6	.0	.0	•0	.1	3.2	1.1	1.3	5.7	.0	1.7	.1	87.0

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		WI	ND SPE	ED (KN	OTS)								HOUR	(GMT)				
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	FREQ	SPD	00	03	06	09	12	15	18	21	
N NE	1.5	12.8	7.4	:3	.0	.0		22.1	9.6	25.8	16.9	21.2	24.0		19.8			
E	1.2	8.6	4.5	.3	.1	.0		14.7	9.5	9.1	18.1	14.2	16.0		18.9	13.3	16.5	
SE	.8	2.7	.8	.1		.0		4.3	8.0	3.0	5.8	3.9	4.6	2.7	4.6	4.1	5.0	
S	.5	1.4	.4	.1		.0		2.4	7.8	4.0	2.0	2.7	2.2	3.4	1.4	2.2	2.0	
SW	.6	1.3	.6	.1	.0	.0		2.6	8.3	3.3	2.7	3.0	1.9	2.0	1.9	3.0	2.9	
W	.4	1.6	.4	.1	.0	.0		2.6	8.1	3.3	2.6	3.4	1.6	2.8	1.3	2.6	2.9	
NW	.6	3.1	1.6		.0	.0		5.4	8.7	6.9	3.5	6.2	5.2	8.0	4.4	5.2	4.5	
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	3.2							3.2	.0	4.2	3.4	5.0	1.3	4.0	2.1	1.9	3.8	
TOT OBS	656	3266	1828	105	6	0	5861		9.2	473	667	1068	765	470	614	997	807	
TOT PCT	11.2	55.7	31.2	1.8	.1	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TABLE 3A

WND DIR	0-6	WIND 7-16	SPEED 17-27	(KNOTS) 28-40	41+	TOTAL DBS	PCT	MEAN SPD	00	HDUI 06 09	12 15	18	
N	6.4	13.5	2.2		.0		22.1	9.6	20.6	22.4	24.3	21.4	
NE	11.3	26.7	4.7	.1	.0		42.7	10.0	43.0		42.4		
E	4.9	8.0	1.6	.1	*		14.7	9.5	14.4	14.9	14.5		
SE	2.0	1.9	.3				4.3	8.0	4.6		3.8		
5	1.3	.9	.2		.0		2.4	7.8	2.9	2.5	2.2		
SW	1.3	1.0	.3	.0	.0		2.6	8.3	3.0	2.5	1.9	3.0	
W	1.3	1.1	.2		.0		2.6	8.1	2.9	2.6	2.0		
NW	2.0	3.1	.3	.0	.0		5.4	8.7	4.9	5.8	6.0		
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0		
CALM	3.2						3.2	.0	3.8	3.4	3.0		
TOT UBS	1972	3296	578	14	1	5861		9.2	1140		1084	1804	
TOT PCT	22.4	84.7	0 0				100.0		100 0	100 0	100 0	100 0	

PERIOD: (PRIMARY) 1896-1973 (OVER-ALL) 1854-1973

TABLE 4

AREA 0007 CAPE VERDE ISLANDS 15.5N 24.0W

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

				WIND	SPEED (KNOTSI			PCT	TOTAL
HOUR	CALM	1-3	4-10	11-21	22-33	34-47	48+	MEAN	FREQ	OBS
00603	3.8	7.9	57.5	28.5	2.2	.1	.0	9.0	100.0	1140
90300	3.4	8.5	58.9	27.5	1.6	.1	.0	6.8	100.0	1833
12615	3.0	7.7	51.0	36.7	1.5	.2	.0	9.8	100.0	1084
18621	2.8	7.8	54.2	33.3	1.9	.1	.0	9.4	100.0	1804
TOT	188	468	3266	1826	105		0	9.2		5861
PCT	3.2	8.0	55.7	31.2	1.8	.1	.0		100.0	

TARLE

....

,	CT FRE			DIREC		(EIGHTHS)							CEILIN					
WNO DIR	0-2	3-4	5-7	8 & 085CD	TOTAL	CLOUD	000	150	300 599	600	1000	2000 3499	3500 4999	5000	6500	9000+	NH <5/8 ANY HGT	TOTAL
N.	6.2	6.4	9.8			4.6	.0	.0	.3	2.4	4.8	1.9	1.3	.3	.2	.1	15.4	
NE	10.4	8.8	15.2	8.5		4.8	.1	. 1	. 4	2.8	10.0	3.8	1.0		.1		23.1	
E	2.7	1.9	2.6	2.0		4.5	.0	.0	.0	1.0	1.6	.3	.1	.3	.0	.0	5.8	
SE	. 8	.9	1.0	.4		4.1	.0	. 2	.1	.4	.1	.1	.0	.0	.0	.1	2.1	
S	1.1	.3	1.5	.1		3.9	.0	.0	.1	.2	.0	.2	.2	.1	.0	.0	2.2	
SW	.7	.2	.9	.3		4.2	.0	.0	.0	.2	.4	.0	.1	.0	.0	.0	1.5	
	.5	.3	1.7	.4		5.2	.0	.0	.0	.2	.6	.1	.3	.0	.1	.0	1.6	
NW	1.4	1.4	2.5	1.6		4.9	.0	.0	.1	.1	1.4	.7	. 6	.0	.1	.3	3.6	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	1.4	.7	.4	. 5		3.5	.0	.0	.0	.0	.3	.2	.1	.0	.0	.0	2.4	
TOT OBS	232	191	326	165	914	4.7	1	3	. 8	67	175	67	41	10	4	9	529	914
TOT PCT	25.4	20.9	35.7	18.1	100.0		.1	.3	.9	7.3	19.1	7.3	4.5	1.1	.4	1.0		100.0

TABLE 7

CUMUL ATTVE	PCT	FREQ	OF	SIMULTANEOU	S DCC	URRENCE
				1 34/8) AND		

					VSBY (NM)			
- 0	EILING	· DR	· OR	- DR	- DR	- DR	. DR	. DR	= DR
1	FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
. OF	>6500	.9	1.4	1.5	1.5	1.5	1.5	1.5	1.5
- 08	>5000	1.9	2.6	2.7	2.7	2.7	2.7	2.7	2.7
. OF	>3500	5.4	6.6	7.2	7.2	7.2	7.2	7.2	7.2
. 08	>2000	11.2	13.7	14.2	14.2	14.2	14.2	14.2	14.2
. OF	>1000	25.5	32.4	33.2	33.3	33.3	33.3	33.3	33.3
. OF	>600	31.2	39.7	40.8	40.9	40.9	40.9	40.9	40.9
. 0	>300	31.6	40.5	41.6	41.7	41.7	41.7	41.7	41.7
- 06	>150	31.9	40.8	41.9	42.0	42.0	42.0	42.0	42.0
. OF	0 < 1	32.1	40.9	42.0	42.1	42.1	42.1	42.1	42.1
	TOTAL	300	383	393	394	394	394	394	394

TOTAL NUMBER OF DBS: 936

PCT FREQ NH <5/8: 57.9

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 DBSCD DBS 8.9 12.8 13.6 13.3 8.8 8.7 9.3 10.8 14.1 .0 1003

								200	1031								
PER100:	(PRIMARY) (OVER-ALL)	1896-1973 1854-1973						TAB	LE 8				ARE		CAPE 5.5N	VERDE 24.0W	ISLANDS
			P	ERCENT	PRECI			TH VARY						E OF			
	VSBY (NM)		N	NE	E	SE	5	SW		NW	VAR	CALM	PCT	TOTAL			
	<1/2	NO PCP	.0	•0	:0	.0	.0	:0	.0	:0	.0	.0	.1				
		TOT %	.1	.0	.0	.0	.0	.0		.0	.0	.0	.1				
	1/2<	NO PCP	1.0	2.3	.7	:4	.0	.1	.2	.3	.0	.0	5.0				
		PCP	.0	.0	.1					.0	.0	.0	.1				
	1<2	NO PCP	:1	.0	.1	.0	.0	.0	.0	.0	.0	.0	:5				
	2<5	PCP NO PCP	.0	.0 .7	:0	.0	.0	.0	.0	.0	.0	•0	1.1				
		TOT \$.1		.1	.0	.0		.0	.2	.0	.0	1.1				
	5<10	PCP NO PCP TOT %	6.3 8.7	14.7	4.7	.9	.7	.6 1.0	.6	1.3	.0	.6	2.2 32.5 34.7				

TOT OBS TOT PCT 26.5 43.9 10.5 3.0 2.7 2.6 2.7 5.8 .0 2.3 100.0

PCP .1 .2 .1 .0 .1 .1 * .0 .0 .0 .6 10+ NO PCP 16.2 24.8 4.6 1.7 1.7 1.4 1.8 4.0 .0 1.7 57.9 TOT % 16.3 25.0 4.7 1.7 1.8 1.5 1.8 4.0 .0 1.7 58.6

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

										7 161			
VSBY	SPD	N	NE	E	SE	5	SW		NW	VAR	CALM	PCT	TOTAL
(NM)	KTS												DBS
	0-3	*	*	.0	.0	.0	.0	.0	.0	.0	.0		
<1/2	4-10	.1	.1	.0	.0	.0	.0	.0	.0	.0		.1	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.1	.1	.0	•0	.0	.0	.0	.0	.0	.0	.1	
	0-3		.1		.1	.0	.0	.0	.0	.0	.0	.2	
1/2<1	4-10	.3	.3	.2	.1	.0	.1	.1	.1	.0		1.0	
	11-21	.2	.7	.2		.0	.0		.1	.0		1.2	
	22+	.1	.2	.0	.0	.0	.0	.0	.0	.0		.2	
	TOT \$.6	1.2	.4	.2	.0	.1	.1	.2	.0	.0	2.6	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	4-10	.1	.1	.1		.0				.0		.3	
	11-21		.1		.0	.0	.0	.0	.0	.0		.2	
	22+	.0	.0			.0	.0	.0	.0	.0			
	TOT \$.1	.2	.1		.0				.0	.0	.6	
	0-3	.1	.1		.0			.0	.0	.0	.1	.5	
2<5	4-10	.1	.7	.2	.1	.1		.1		.0		1.3	
	11-21	.1	.4	.1	.0	.0	*	.0	.1	.0		.8	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT \$.4	1.2	.3	•1	.1	.1	.1	.2	.0	.1	2.5	
	0-3	.6	.9	.3	.1	. 1	.4	.1	.2	.0	.8	3.4	
5<10	4-10	3.6	7.2	2.5	.7	.4	.3	.4	.9	.0		15.9	
	11-21	2.4	5.2	1.4	.1	.2	.3	.1	.5	.0		10.1	
	22+	.2	.2	.1			.1	.0	.0	.0		.6	
	TOT \$	6.8	13.5	4.2	1.0	.7	1.0	.6	1.5	.0	.8	30.0	
	0-3	. 8	1.3	.8	.5	.3	.3	.3	.4	.0	1.7	6.5	
10+	4-10	10.2	17.8	4.9	1.2	1.3	1.0	.9	2.6	.0		39.8	
	11-21	5.1	9.0	1.3	.3	.2	.2	.3	1.1	.0		17.6	
	22+	.1	.2	.0	.0	.0	.0	.1		.0		. 3	
	TOT %	16.2	28.2	7.0	2.0	1.8	1.6	1.5	4.1	.0	1.7	64.1	
	ot gas												2870
1	TOT PCT	24.2	44.4	11.9	3,3	2,5	2.8	2.3	6.0	.0	2.6	100.0	

PERIOD: (PRIMARY) 1896-1973 (UVER-ALL) 1854-1973

TABLE 10

AREA 0007 CAPE VERDE ISLANDS 15.5N 24.0W

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 by HOUR

HOUR (GMT)	149	150 299	300 599	999	1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH C5/8 ANY HGT	TOTAL
00403	.0	.4	.8	8.0	19.5	6.1	3.8	.8	.4	.8	40.6	59.4	261
06409	.5	.5	1.9	7.9	18.2	10.7	5.6	1.4	.9	.0	47.7	52.3	214
12615	.0	.0	.0	5.6	20.6	5.2	4.8	. 8	.4	2.0	39.3	60.7	252
18621	.0	.4	.8	7.8	15.2	6.2	3.3	1.6	.4	.8	36.6	63.4	243
TQT PCT	.1	.3	.8	7.3	179	6.9	4.3	111	.5	9	396 40.8	574 59.2	970 100.0

TARLE 1

TABLE 12

		PERCENT	FREQUEN	CY VSBY	(NM)	BY HOUR		CUMULAT					VSBY (NM)	
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL
00803	.2	1.3	.3	3.2	32.5	62.6	631	00203	.0	1.2	12.0	31.5	56.6	251
90360	.1	3.4	.5	2.4	33.4	60.2	844	90360	.5	2.9	12.1	36.7	51.2	207
12615	.3	2.5	.5	1.3	26.7	68.6	599	12615	.0	.0	7.0	34.3	58.7	242
18621	.0	3.3	.8	3.0	28.7	54.2	858	18621	.0	.8	11.0	27.5	61.4	236
TOT	.1	80	16	74	893 30.5	1865	2932 100.0	TOT	.1	11	98	303	535 57.2	936

TABLE 13

						•				
	PERC	ENT FR	EQUENC	Y OF R	ELATIV	E HUM!	DITY B	Y TEMP		
									TOTAL	PCT
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	OBS	FREQ
90/94	.0	.0	.0	.1	.1	.0	.0	.0	2	.2
83/89	.0	.0	.0	.1	.2	1.2	.3	.1	19	1.9
80/84	.0	.0	.0	.3	3.4	10.3	12.1	1.4	273	27.6
75/79	.0	.0	.0	.1	2.8	22.6	31.3	10.4	664	67.2
70/74	.0	.0	.0	.0	.0	1.0	1.2	. 8	30	3.0
TOTAL	0	0	0	6	65	347	444	126	988	
PCT	.0	.0	.0	.6	6.6	35.1	44.9	12.8		

TABLE 14

	PERC	ENT FR	EQUENC	Y OF W	IND DI	RECTIO	N BY T	EMP	
N	NE	E	SE	s	SW		NW	VAR	CALM
.1		.0	.0	.0	.0	.0	.1	.0	.0
1.1	.5	.1	.0	.0	.1	.1	.1	.0	.0
7.5	9.2	3.1	1.3	1.1	.8	1.3	2.4	.0	.0
18.7	32.5	5.2	1.4	1.5	.9	1.6	3.6	.0	1.7
1.3	1.0	.2	.0	.0	.1	.0	.1	.0	.3
28.7	43.2	8.5	2.7	2.6	2.0	3.0	6.4	.0	2.9

TABLE 15

	HEAMS	EVIKEM	ES ANU	PERCEN	LILES	UP IE	IF (DE	G FI B	T HOUK
HOUR (GMT)	MAX	992	95%	50%	5%	14	MIN	MEAN	TOTAL 085
60300	86	82	80	77	75	73	70	77.4	1141
90300	86	82	81	77	74	73	71	77.4	1836
12615	92	87	85	80	77	75	72	80.1	1048
18821	92	86	83	79	76	74	72	79.1	1765
TOT	92	86	83	78	75	73	70	78.4	5790

	PERC	ENT FRE	QUENCY	OF RELA	TIVE H	UMIDITY	BY HOUR	
HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
00603	.0	.7	1.5	27.5	56.0	14.3	83	273
90300	.0	.0	1.6	27.8	44.1	26.5	84	245
12615	.0	1.6	13.4	40.9	40.5	3.6	78	247
18821	.0	.0	10.0	44.2	38.6	7.2	79	251
TOT	0	6	66	355	458	131	81	1016

PERIOD: (PRIMARY) 1896-1973 (OVER-ALL) 1854-1973

TABLE 17

AREA 0007 CAPE VERDE ISLANDS 15.5N 24.0W

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)

	42	AIR	-SEA	TEMPE	RATURE	DIFF	ERENCE	(DEC F)		
AIR-SE	۵	69	73	77	61	85	89	TOT	w	WD
THP DI	F	72	76	80	84	88	92		FOG	FOG
11/13		.0	.0	.0	.0	.0	.1	1	.0	:1
9/10		.0	.0	.0	.1	.1	.2	4	.0	.3
7/8		.0	.0	.0	.0	.2	.2	6 5	.0	.5
٥		.0	.0	.0	.2	.2	.0	. 5	.0	.4
5		.0	.0	.5	.0	.3	.0	16	.1	1.1
4		.0	.2	.9	1.0	.0 .1 .2 .2 .3 .5	.0	34	.2	2.4
3		.0	.2	1.4	2.1	.0	.0	49	.3	3.4
3 2		.0	.2		2.6	.0	.0	84	.5	5.8
- 1		.1	.8	7.3	3.2	.0	.0	151	1.1	10.3
o		.0	2.9	15.6	3.2	.1	.0	288	1.7	19.9
0		.2	5.2	18.0	1.5	.0	.0	330	1.4	23.4
-2		.0	4.7	8.6	.6	.1	.0	187	.2	13.9
-3		.0	2.0	3.8	.1	.0	.0	78	.1	5.8
-4		.0	1.4	2.1	. 2	.0	.0	48	.1	3.5
-4		.0	1.2	1.4	.1	.0	.0	35	.0	2.6
-6		.0	.4	.1	.0	.0	.0	6	.0	.5
-7/-8		.0	.2	.4	.1	.0	.0	8	.0	.6
-9/-1	0	.0	.1	.0	.0	.0	.0	1	.0	.1
TOTAL		3		841		21			74	1257
			257		203		6	1331		
PCT		.2	19.3	63.2	15.3	1.6	.5	100.0	5.6	94.4

PERIOD: (OVER-ALL) 1963-1973

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

34-47 34-47 HGT <1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 61-70 71-86 1-3 HGT
<1
1-2
3-4
5-6
7
8-9
10-11
12
13-16
17-19
20-22
23-25
26-32
33-40
41-48
49-60
61-70
71-86
TT-86 1-3 11-21 .0 .0 .2 .2 .4 .0 .0 .0 .0 .0 .0 .0 48+ 48+

									AUGUST							
PERIOD:	COVE	R-ALL)	1963-1	973				TABLE	18 (CONT				AREA	15.	SAPE VE	RDE ISLANDS
				PC	T FREQ	F WIND	SPEED	(KTS)	AND DIREC	TION V	ERSUS S	EA HEIG	HTS (FT)		
				s								22-33				
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21		34-47	48+	PCT	
<1	.2	.1	.0	.0	.0	.0	.3		.0	.3	.0	.0	.0	.0	.3	
1-2	.0	1.0	.0	.0	.0	.0	1.1			.6	.0	.0	.0	.0	.7	
5-6	.0	.2	.0	.0	.0	.0	.9		.0	.2		.0	.0	.0		
7	.0	.0	.0	.0	.0	.0	.2		.0	.0	.0	.0	.0	.0	.4	
8-9	.0	.0	.0	.0	.0	.0	.0		.0	.0	.2	.0	.0	.0	.2	
10-11	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	0	
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.3	2.2	.0	.0	.0	.0	2.5		•	1.1	.5	.0	.0	.0	1.7	
												NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.2	.1	.0	.0	.0	.0	.3		.2	.3	.0	.0	.0	.0	.5	
1-2	.2	.7	.0	.0	.0	.0	.9		.5	2.2	.7	.0	.0	.0	3.5	
3-4	.0	.9	.0	.2	.0	.0	1.1		.0	.9	.7	.0	.0	.0	1.6	
5-6	.0	.0	.0	.0	.0	.0	.0		.0		.6	.0	.0	.0	.6	
7	.0	.0	.2	.0	.0	.0	.2		.0	.0	*		.0	.0	.1	
8-9	.0	.0	.0	.0	.0	.0	.0		.0	.0	.2	.0	.0	.0	.2	
10-11	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
13-16 17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.4	1.7	.2	.2	.0	.0	2.4		.7	3.5	2.2		.0	.0	6.5	97.3

	W-NO		,,,,,,	ve er.	HETCHT			
	MIND	SPEED	(K12)	A2 2FY	HEIGHT	(+1)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	5.6	4.3	.0	.0	.0	.0	9.9	
1-2	3.2	27.6	8.8	.0	.0	.0	39.7	
3-4	.5	14.1	14.1	.4	.0	.0	29.1	
5-6	•0	3.1	11.6	.0	.0	.0	14.6	
7	•0	.2	4.5	.2	.2	.0	5.1	
8-9	.0	.0	1.6	.0	.0	.0	1.6	
10-11	•0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	•0	.0	.0	.0	.0	.0	.0	
17-19	•0	.0	.0	.0	.0	.0	.0	
20-22	•0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	•0	.0	.0	.0	.0	.0	.0	
33-40	•0	.0	.0	.0	.0	.0	.0	
41-48	•0	.0	.0	.0	.0	.0	.0	
49-60	•0	.0	.0	.0	.0	.0	.0	
61-70	•0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	•0	.0	.0	.0	.0	.0	.0	
	-	1100			-		20120-00 00-	554
TOT PCT	9.4	49.3	40.6	.5	.2	.0	100.0	

PERIO): (OV	ER-ALL) 194	9-197	,					TABLE 19	,											
					PERCENT	FRE	QUENCY	OF	WAV	E HEIGHT	(F	r) vs	WAVE P	ERIOD	(SECON	DS)						
PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11		12	13-16 17	-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	1.6	9.7	13.9	7.2	1.6	.8	.1		.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	277	3
6-7	.0	1.0	9.9	12.0	5.3	1.1			•1	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	235	5
8-9	.0	.6	2.5	4.4		. 6	. 3		.ô	.0	.0	.0	.0			.0	.0	.0	.0	.0	87	5
10-11	.0	1.3	.9	.6	.5	.5	.1		.0	.0	.0	.0				.0	.0	.0	.0	.0	31	4
12-13	.0	.0	.0	.5	.3	.1	.0		.0	.0	.0	.0					.0		.0	.0	7	6
>13	.0	.0	.0	.0	.1	.1	.1		.0	.0	.0	.0				.0	.0		.0	.0	3	
>13 INDET	3.0	4.7	5.8	3.4	1.6	.5	.0		.0	.0	.0	.0			.0		.0		.0	.0	151	3
TOTAL	37	137	261	223	95	30			1	0	0	0		. (0	0	0	0	0	0	791	4
PCT	4.7	17.3	33.0	28.2		3.8	.9		· î	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	100.0	

SEPTEMBER

PERIOD: (PRIMARY) 1892-1973 (OVER-ALL) 1854-1973

TABLE I

AREA 0007 CAPE VERDE ISLANDS 15.5N 24.0W

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY MIND DIRECTION

			p	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN	ORZL	FRZG PCPN	SNOW	OTHER FRIN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	NO SIG WEA
N NE	1.7	.6	.6	.0	.0	.0	.0	2.8	1.8	1.3	3.4	.0	2.3		88.4
NE	.4	1.2	.2	.0	.0	.0	.2	2.0	1.6	.4	3.9	.0	2.6	.2	89.3
ε	2.9	2.8	1.0	.0	.0	.0	.0	6.7	1.8	2.3	11.9	.0	2.0	.0	76.4
SE	3.4	7.7	1.7	.0	.0	• 0	.0	12.8	8.5	2.1	5.1	.0	1.7	.0	71.5
S	4.0	4.5	.0	.0	.0	.0	.0	8.5	.0	2.3	4.0	.0	2.3	.0	85.3
SW	1.8	19.8	8.1	.0	.0		.0	28.8	3.6	3.6	.9	.0	.0	.0	63.1
	7.1	4.8	2.4	.0	.0	.0	.0	11.9	.0	3.2	.0	.0	.0	.0	84.9
NW	4.7	1.9	.0	.0	.0	.0	.0	6.5	.0	5.6	1.9	.0	1.9	1.9	82.3
VAR	.0	•0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	•0	.0	.0	.0	•0	.0	.0	.0	.0	.0	.0	3.4	.0	96.6
TOT PCT	1330	2.2	.7	.0	.0	.0	.1	4.5	1.8	1.4	4.7	.0	2.3	.2	85.5

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

				RECIPI	TA-+0	. TVO-					DTHER	WEATHER	PHEND	MENA	
				KECIFI	14114						Dinek	MEMINEN	· IIICIAO	I EINE	
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT	PCPN PAST HOUR	THOR	FDG WO PCPN	FUG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNDW	NO SIG WEA
00603 06609 12615 18621	1.0 2.8 1.3	1.0 4.0 1.3 2.1	.7 .5 .7 .8	.0	.0	•0	.0	2.6 7.3 3.3 4.2	2.9 1.0 1.0 2.4	2.3	2.6 4.5 3.6 8.4	.0 .0 .0	1.3 1.8 3.3 2.6		88.6 83.7 88.6 81.8
TOT PCT	1.7	2.2	.6	.0	.0	•0	-1	4.5	1.8	1.4	5.0	•0	2.2	•1	85.3

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		WIN	D SPE	ED IKN	DTS								HOUR	(GMT)			
WND DIR	0-3				34-47	48+	TOTAL	FREQ	SPO	00	03	06	09	12	15	18	21
N NE	1.3	9.0	7.0	2:5	.0	.0		17.9	10.2	18.1	12.3	19.3	18.9	24.7	15.3	20.4	14.5
E	1.4	8.0	6.7	1.0	.0	.0		17.1	10.9	11.0	21.9	15.9	17.1	9.7	21.1	15.8	20.9
SE	.7	2.6	1.2	.2		.0		4.7	9.1	3.3	6.8		4.8	4.6	4.7	4.5	
S	.7	1.1	.7	.2		.0		2.7	9.3	5.3	2.9	2.7	2.8	3.4	2.1	2.0	2.3
SW	.3	1.1	.5	.1	.0	.0		2.1	9.3	2.9	1.7	2.1	2.1	1.5	1.5	2.2	2.5
W	.4	1.2	.3		.0	.0		1.9	7.6	2.9	1.4	1.9	1.5	2.6	1.7	1.7	1.9
NW	.6	2.1	.8	.1		.0		3.6	8.2	3.6	3.3	4.3	3.9	3.8	2.9	2.7	4.1
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	2.7				-			2.7	.0	2.9	3.5	3.8	1.8	3.8	1.7	1.8	2.8
TOT OBS	596	2618	2246	264	3	0	5727	-	10.4	411	630	1074	738	453	631	976	814
TOT PCT	10.4	45.7	39.2	4.6	.1	.0		100.0	() () () () () () () () () ()	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

		-	2 4

		-	SPEED	(KNDTS)						HOUR	(GMT)	
WND DIR	0-6	7-16	17-27		41+	TOTAL	PCT	MEAN	00	06	12	18
#D D.K	0-0		11-21	20-40	**	ORS	FREQ	SPD	03	09	15	21
N	4.7	10.9	2.2	.1	.0		17.9	10.2	14.6	19.1	19.2	17.7
NE	9.0	29.1	4.8	.3	.0		47.3	11.5	47.7	46.2	47.7	47.9
E	4.4	9.2	3.3	. 2	.0		17.1	10.9	17.6	16.4	16.3	18.2
SE	2.0	2.1	.6				4.7	9.1	5.5	4.6	4.7	4.3
5		1.0						9.3	3.8	2.7	2.7	2.1
SW	. 9	. 9	**		.0		2.7	9.3	2.2	2.7	1.5	2.4
	1.3	.8	. 1		.0		1.9	7.6	2.0	1.7	2.1	1.8
NW	1.7	1.6	.2	.1	.0		3,6	8.2	3.4	4.1	3.3	3.3
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	2.7						2.7	.0	3.3	3.0	2.6	2.3
TOT OBS	1582	3181	916	46	2	5727		10.4	1041	1812	1084	1790
TOT PCT	27.6	55.5	16.0	.8			100.0		100.0	100.0	100.0	100.0

SEPTEMBER

PERIOD: (PRIMARY) 1892-1973 (QVER-ALL) 1854-1973

TABLE 4

AREA 0007 CAPE VERDE ISLANDS 15.5N 24.0W

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

				WIND	SPEED (KNOTSI			PCT	TOTAL
HOUR	CALM	1-3	4-10	11-21	22-33	34-47	48+	MEAN	FREQ	OBS
00403	3.3	8.4	47.5	36.9	3.8	.2	.0	10.1	100.0.	1041
90360	3.0	8.6	46.9	37.7	3.8	.1	.0	10.0	100.0	1812
12615	2.6	6.5	45.8	39.1	5.9	.0	.0	10.7	100.0	1084
18621	2.3	7.0	43.4	42.1	5.1	.0	.0	10.8	100.0	1790
TOT	157	439	2618	2246	264	3	0	10.4		5727
PCT	2.7	7.7	45.7	39.2	4.6	.1	.0		100.0	

TABLE 5

TABLE 6

P	CT FRE			D DIREC		EIGHTHS)			PERCEN	TAGE F	REQUEN	CY OF	CEILIN NH <5/	B BY W	HTS (F	RECTIO	14/8) IN	
WND DIR	0-2	3-4	5-7	8 &	TOTAL	CLOUD COVER	149	150	300 599	999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL
N	6.2	5.2	7.2	2.6		4.2	.0	.0	.3	1.2	2.1	1.4	.6	.1	.1	.2	15.2	
NE	14.8	10.3	17.1	7.6		4.3	.0	.0	.5	2.5	8.3	3.2	1.2	.6	.1	.3	33.3	
E	4.1	1.2	3.0	1.1		3.8	.0	.0	.3	.5	1.3	.6	.0	.0	.1	.0	6.6	
SE	.9	. 9	1.7	.7		4.6	.0	.0	.0	.6	.7	.1	.1	.0	.0	.0	2.7	
S	1.3	1.6	1.0	.2		3.6	.0	.0	.0	.2	.3	.1	.2	.1	.0	.0	3.2	
SW	.2	.5	.7	.6		5.6	.0	.0		.4	.6	.2	.0	.0	.0	.0	.7	
	1.0	.3	.5	.5		3.5	.0	.0	.2	.1	.4	.0	.0	.0	.0	.0	1.6	
NW	.4	1.4	1.7	.6		4.8	.0	.0		.2	.6	.6	.0	.0	.0	.0	2.7	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	1.1	.9	.6	.4		3.6	.0	.0	.0	.0	.2	.2	.0	.0	.0	.1	2.3	
TOT OBS	245	181	273	118	817	4.2	0	0	11	46	118	54	16	7	2	5	558	817
TOT PCT	30.0	22.2	33.4	14.4	100.0		.0	.0	1.3	5.6	14.4	6.6	2.0	.9	.2	.6	68.3	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

				VSBY (NM	1)			
CEILING	- OR	- DR	- DR	- OR	- nR	. OR	- OR	- DR
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
- DR >6500	.6	.8	.8	.8	.8	.8	.8	.8
- DR >5000	1.1	1.6	1.6	1.6	1.6	1.6	1.6	1.6
■ DR >3500	2.7	3.8	3.9	3.9	3.9	3.9	3.9	3.9
■ DR >2000	8.5	10.0	10.1	10.2	10.2	10.2	10.2	10.2
# DR >1000	19.9	23.7	24.3	24.4	24.4	24.4	24.4	24.4
■ DR >600	24.3	29.6	30.2	30.3	30.3	30.3	30.3	30.3
# UR >300	25.0	30.6	31.3	31.4	31.6	31.6	31.6	31.6
- DR >150	25.0	30.6	31.3	31.4	31.6	31.6	31.6	31.6
- DR > 0	25.0	30.6	31.3	31.4	31.6	31.6	31.6	31.6
TOTAL	212	260	266	267	268	268	268	268

TOTAL NUMBER OF OBS: 849 PCT FREQ NH <5/8: 68.4

TABLE 74

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 DBSCD DBS 10.2 14.8 17.6 15.3 10.8 8.1 7.0 6.2 10.1 .0 904

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TARLE 8

AREA 0007 CAPE VERDE ISLANDS 15.5N 24.0W

							1.4	DLL 0					
		P	ERCENT	PREC	PITAT	D DIRE	TH VAR	VS DCC	URRENCE ALUES	F VIS	IBILI	CURRENC	E OF
VSBY (NM)		N	NE	E	SE	5	SW		NW	VAR	CALM	PCT	TOTAL
	PCP	.0	.0	:1	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	NO PCP	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1	
	TOT %	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0		
	PCP	.0	.0	.2	.2	.0	.0	.1		.0	.0	.5	
1/2<1	NO PCP	.6	1.7	1.8	.2	. 1	.0	.0	.1	.0	.0		
	TOT %	.6	1.7	1.9	.4	. 1	.0	.1	.1	.0	.0		
	PCP	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1	
1<2	NO PCP	.0	.4	.2	.1	.0	.0	.0	.1	.0	.0		
	TOT &	.0	.4	.2	.1	.0	.0	.0	.2	.0	.0	. 8	
	PCP	.2		0	.0	.1	.1	.0	.1	.0	.0	.5	
2<5	NO PCP	.2	3	.1	.0	. 1		.0	.0	.0	.0		
	TOT %	.4	.3	.1	.0	.2	.1	.0	.1	.0	.0	1.1	
	PCP	.3	.6	.6	.3	. 1	.4	.2	.0	.0	.0	2.3	
5<10	NO PCP	6.0	14.5	5.8	1.1	:7	.5	.8	1.1	.0	.4	30.9	
	TOT %	6.3	15.0	6.4	1.4	.7	.9	1.0	1.1	.0	.4	33.2	
	PCP	.1	.4	.3	.1	.2	.2	.0	.1	.0	.0	1.2	
10+	NO PCP	12.5	29.0	5.9	2.5	2.2	.9	1.2	2.6	.0	1.8		
	TOT &	12.6	29.4	6.2	2.5	2.3	1.1	1.2	2.6	.0	1 1.8		
	TOT DBS												1330
	TOT PCT	19.9	46.8	14.9	4.4	3.3	2.1	2.4	4.0	.0	2.2	100.0	3.500

VSBY	SPD						• • • •		****				***
(NM)	KTS	N	NE	E	SE	5	SW	W	NW	VAR	CALM	PCT	TOTAL
	0-3	.0	.0		.0	.0	.0	.0	.0	.0	.0	*	
<1/2	4-10	.0	.0	*	*	.0	.0	.0	.0	.0			
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.1		.0	.0	.0	.0	.0	.0	.1	
	0-3	.1	.1		.0	.0	.0	.0	.0	.0	.1	.3	
1/2<1	4-10	.1	.1	.2	.1	.0	.0		.0	.0		.5	
	11-21	.1	.6	.6	.1	*	.0		.1	.0		1.5	
	22+	.0	.1	.1	.0	.0	.0	.0	.0	.0		.2	
	TOT %	.4	.9	.9	.2	*	.0	.1	.1	.0	.1	2.6	
	0-3		.1	.1	.0	.0	.0	.0		.0	.0	.2	
1<2	4-10	.0	.1			.0	.0	.0	.1	.0		.2	
	11-21	.0	.1	*	.0	.0	.0	.0	.0	.0		.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %		.2	.1		.0	.0	.0	.1	.0	.0	.5	
	0-3		.1	.0	.0	.1		.0	.0	.0	.1	.2	
2<5	4-10	.2	.8	.2	.1	*			*	.0		1.4	
	11-21	.2	,5	.1	*	.1		.1		.0		1.0	
	22+	.1	.2	.1	.0	.1		.0	.0	.0		.4	
	TOT %	.5	1.5	.3	.1	. 2	.1	.1	.1	.0	.1	3.0	
	0-3	.3	.5	.5	.2	.3	.1	.1	.1	.0	.7	3.0	
5<10	4-10	2.4	5.5	2.3	.7	.3	.3	.4	.5	.0		12.4	
	11-21	2.7	6.9	1.9	.5	.3	.2	.1	.2	.0		12.7	
	22+	.2	.9	. 2		.0	.0			.0		1.5	
	TOT \$	5.7	13.8	4.9	1.4	.9	.6	.6	.9	.0	.7	29.6	
	0-3	1.1	1.4	.8	.5	.6	.2	.1	.3	.0	1.8	6.8	
10+	4-10	7.3	15.0	4.9	1.8	1.0	.6	.9	1.9	.0		33.3	
	11-21	5.0	13.5	2.0	.5	.6	.3	.1	.6	.0		22.7	
	22+	.3	.8	.1	.1		.0	.0	.1	.0		1.5	
	TOT \$	13.8	30.7	7.5	2.9	2.2	1.0	1.1	2.8	.0	1.8	64.3	
	TOT 085												2812
T	TOT PCT	20.3	47.2	14.2	4.7	3.3	1.8	1.9	3.9	.0	2.7	100.0	

PERIOD: (PRIMARY) 1892-1973 (OVER-ALL) 1854-1973

TABLE 10

AREA 0007 CAPE VERDE ISLANDS 15.5N 24.0W

PERCENT FREQUENCY OF CEILING HFIGHTS (FEFT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000	150 299	300 599	600	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL
00603	.0	.0	1.9	6.6	11.7	5.2	.9	1.4	.0	.9	28.6	71.4	213
06609	.0	•0	1.4	4.5	17.3	5.9	2.3	.5	.5	.9	33.2	66.8	220
12615	.0	.0	.4	5.3	13.2	6.6	2.2	.4	.4	.4	28.9	71.1	228
18621	.0	.0	1.3	6.1	11.8	6.6	3.1	.9	.0	.0	29.8	70.2	228
TOT	0	0	11	50	120	54	19	7	2	5	268	621	889

TABLE 11

TABLE 12

		PERCENT	FREQUEN	CY VSA	(NM)	BY HOUR		CUMULAT					VSBY (NM)	
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL
00603	.2	1.4	.4	2.3	31.6	64.1	560	00603	.0	2.0	9.9	20.7	69.5	203
06609	.0	3.0	.8	2.8	31.5	61.8	859	90360	.0	1.5	7.3	28.2	64.6	206
12615	.0	2.2	.2	3.2	24.9	69.6	599	12415	.0	.5	6.3	23.4	70.3	222
18821	.1	3.6	.7	3.3	29.6	62.7	857	18821	.0	1.4	9.6	22.5	67.9	218
TOT PCT	2	78 2.7	16	84	851	1844	2875 100.0	TOT PCT	.0	11	70 8.2	201	578 68.1	849

TABLE 13

TABLE 1

			EQUENC					1.00	TOTAL	L PCT	PERCENT FREQUENCY OF WIND DIRECTION BY TEMP									
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	OBS	FREQ	N	NE	E	SE	5	SW	W	NW	VAR	CAL
90/94	.0	.0	.0	.0	.1	.0	.0	.0	1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	
85/89	.0	.0	.0	.1	.7	1.2	.3	.0	21	2.4	.8	.7	.1	. 3	. 2	.0	.0	.2	.0	
80/84	.0	.0	.0	.0	2.9	13.4	21.2	4.7	375		9.0	18.4	5.4	2.1	1.9	.9	. 9	1.8	.0	1.1
75/79	.0	.0	.0	.0	1.0	11.5	31.6	10.8	488	55.0	11.4	29.0	5.0	2.1	1.8	1.0	2.7	1.9	.0	1.0
70/74	.0	.0	.0	.0	.0	.0	.0	. 3	3	.3	.0	. 1	. 2	.0	.0		.1	.0	.0	. (
TOTAL	0	0	0	1	42	232	472	141	888	100.0										
PCT	.0	.0	.0	.1	4.7	26.1	53.2	15.9			21.3	48.2	10.7	4.5	3.9	2.0	2.7	3.8	.0	2.5

TABLE 15

	MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR								PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR									
HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL	HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
00603	89	83	81	79	76	73	68	78.7	1046	60300	.0	.0	.0	16.4	66.2	17.4	85	219
06609	87	83	82	79	76	74	68	78.7	1819	90300	.0	.0	2.8	16.1	54.8	26.2	85	248
12615	93	88	86	81	77	76	74	81.3	1048	12815	.0	.0	9.5	42.8	36.9	10.8	80	222
18621	91	87	85	80	77	75	70	80.4	1747	18621	.0	.4	6.3	29.6	53.3	10.4	81	240
TOT	93	86	84	80	76	74	68	79.7	5660	TOT	0	1	43	242	491	152	83	929

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PERIOD: (PRIMARY) 1892-1973 (OVER-ALL) 1854-1973

TABLE 17

AREA 0007 CAPE VERDE ISLANDS

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

IR-SEA	65	69	73	77	A1	85	89	TOT	W	WD	
MP DIF	58	72	76	80	84	88	92		FOG	FOG	
9/10	•0	.0	.0	.0	.0	.0	.2	3	.0	1.2	
7/8	.0	.0	.0	. 2	.5	.4	.2	15	.0	1.2	
6	.0	.0	.0	.2	.3	.3	.0	11	.0	. 8	
5	.0	.0	.0	.2	.6	. 8	. 1	21	. 1	1.6	
4	.0	.0	.0	.1	1.1	.4	.0	20	.0	1.6	
3	.0	.0	.0	.6	1.7	.6	.0	38	.1	2.9	
2	.0	.0	.0	2.4	4.2	. 2	.0	87	.1	6.6	
1 0 -1	.0	.0	.0	6.4	7.6	.0	.0	177	1.6	12.4	
0	.0	.0	.4	15.3	6.2	. 1	.0	279	1.2	20.8	
-1	.0	.0	.7	22.0	2.8	. 1	.0	325	1.2	24.5	
-2	.0	.0	1.4	9.9	1.0	.0	.0	156	.3	12.0	
-3	.0	.0	.9	4.4	.2	.0	.0	70	.1	5.4	
-4	.1	.0	.6	2.5	.0	.0	.0	41	. 1	3.2	
-4 -5	.0	.0	.4	.6	.0	.0	.0	13	.0	1.0	
-6	.0	.0	.0	.2	.2	.0	.0	5	.0		
-7/-8	.0	. 1	.1	.3	.0	.0	.0	6	.0	.5	
TOTAL	1		58		335		6		62	1205	
		1		829		37		1267			
PCT	.1	.1	4.6	65.4	26.4	2.9	.5	100.0	4.9	95.1	

PERIOD: (GVER-ALL) 1963-1973

TABLE 18

PCT FRED OF WIND SPFED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT) HGT <1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 26-32 33-40 41-48 49-60 61-70 71-86 87-70 187-70 187-70 11-21 2.7 3.1 2.5 .3 .2 .0 .0 .0 .0 .0 .0 .0 48+ HGT <1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 61-70 71-86 87-70 TP-CT PCT PCT 48+ 48+ 1-3

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PENIU	ינטו נט	EX-ALL	, 194	9-197	,				IABLE	14											
					PERCENT	FRE	QUENCY DE	WA	VE HEI	GHT (F	T) VS	WAVE P	ERIOD	(SECON	DS)						
PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN
<0	1.8	12.4	14.8	7.4	2.8	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	280	3
6-7	.0	.9	10.2	9.1	5.1	2.3	.6	• 0			.0				.0	.0		.0	.0	198	
6-7 9-9	.0	.3	2.0	2.7	2.1	.3	.0	.1	.0	.0	.0	.0			.0	.0	.0	.0	.0	53	
10-11	.0	.1	.6	1.1	.9	.1	.1	.0			.0	•0				.0	.0	.0	.0	21	
12-13	.0	.0	.0	. 3	.1	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	7
>13	.0	.0	.0	.0	.3	.0	.0	.0		.0	.0			.0	.0	.0	.0	.0	.0	2	7
INDET	3.7	4.7	7.2	3.7		.7	.0	.0			.0	.0							.0	145	3
TOTAL	39	129	245	171	84	28	7	1	0	0	0	0	0	0	0	0	0	0	0	704	4
PCT	5.5	18.3	34.8	24.3	11.9	4.0	1.0	•1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

	WIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	7.7	3.8	.4	.0	.0	.0	11.9	003
1-2	2.9	25.9	7.7	.0	.0	.0	36.5	
3-4	•0	12.7	17.7	.4	.0	.0	30.7	
5-6	•0	3.1	10.4	.8	.0	.0	14.2	
7	•0	1.2	2.9	1.3	.0	.0	5.4	
8-9	•0	.0	. 8	.2	.0	.0	1.0	
10-11	•0	.0	.4	.0	.0	.0	.4	
12	•0	.0	.0	.0	.0	.0	.0	
13-16	•0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	•0	.0	.0	.0	.0	.0	.0	
23-25	•0	.0	.0	.0	.0	.0	.0	
26-32	•0	.0	.0	.0	.0	.0	.0	
33-40	•0	.0	.0	.0	.0	.0	.0	
41-48	•0	.0	.0	.0	.0	.0	.0	
49-60	•0	.0	.0	.0	.0	.0	.0	
61-70	• 0	.0	.0	.0	.0	.0	.0	
71-86	•0	.0	.0	.0	.0	.0	.0	
87+	•0	.0	.0	.0	.0	.0	.0	
***							100 0	521
TOT PCT	10.6	46.6	40.1	2.7	.0	.0	100.0	

-10			.0	.0 .0			U				.0	. 0
-19	.0	.0	.0	.0 .0					.0 .	.0	.0	.0
-22	.0	.0	.0	.0 .0	.0		0		.0 .	0	.0	.0
-25	.0	.0	.0	.0 .0	.0		0		.0 .	0	.0	.0
-32	.0	.0	.0	.0 .0	.0		0		.0 .	0	.0	.0
-40	.0	.0	.0	.0 .0						0	.0	.0
-48	.0	.0	.0	.0 .0						0	.0	.0
-60	.0	.0	.0	.00						0	.0	.0
-70	.0	.0	.0	.0 .0			0			0	.0	.0
-86	.0	.0	.0	.0 .0						0	.0	.0
87+	.0	.0	.0	.0 .0						0	.0	.0
PCT	.2	2.7	.5	.0 .0					.0 3.		.3	.0
					WIND	SPEFO	(KTS)	VS SEA	HEIGHT	(FT)		
				HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
				<1	7.7	3.8	.4	.0	.0	.0	11.9	003
				1-2	2.9	25.9	7.7	.0	.0	.0	36.5	
				3-4	•0	12.7	17.7	.4	.0	.0	30.7	
				5-6	•0	3.1	10.4	. 8	.0	.0	14.2	
				7	•0	1.2	2.9	1.3	.0	.0	5.4	
				8-9	•0	.0	.8	.2	.0	.0	1.0	
				10-11	•0	.0	.4	.0	.0	.0	. 4	
				12	•0	.0	.0	.0	.0	.0	.0	
				13-16	•0	.0	.0	.0	.0	.0	.0	
				17-19	•0	.0	.0	.0	.0	.0	.0	
				20-22	•0	.0	.0	.0	.0	.0	.0	
				23-25	•0	.0	.0	.0	.0	.0	.0	
				26-32	•0	.0	.0	.0	.0	.0	.0	
				33-40	•0	.0	.0	.0	.0	.0	.0	
				41-48	•0	.0	.0	.0	.0	.0	.0	
				49-60	•0	.0	.0	.0	.0	.0	.0	
				61-70		.0	.0	.0	.0	.0	.0	
				01-10	• 0	• 0	.0	.0	.0	.0	.0	

				PC	T FREQ C	F WIND	SPEED	CKTS1 AND DIRE	CTION V	ERSUS S	EA HEIG	HTS (FT)			
				s							SW				
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	.3	.0	.0	.0	.0	.0	.3		.0	.0	.0	.0	.0		
1-2	.3	1.3	.0	.0	.0	.0	1.6	.0	.9	.4	.0	.0	.0	1.3	
3-4	.0	.1	. 5	.0	.0	.0	.6	.0		.1	.0	.0	.0	.1	
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.2		.0	.0	.0	. 2	
7	.0	.0	.3	.0	.0	.0	.3	.0	.0	.2	.0	.0	.0	.2	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	•0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.7	1.4	. 8	.0	•0	.0	2.9	•	1.1	.7	.0	.0	.0	1.9	
											NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.2	.0	.0	.0	.0	.0	.2	.0	.6	.0	.0	.0	.0	.6	
1-2	.0	1.4	.0	.0	.0	.0	1.4	.0	1.3		.0	.0	.0	1.4	
3-4	.0	.4	.3	.0	.0	.0	. 8	.0	1.1	.2	.0	.0	.0	1.4	
5-6	.0	.6	.1	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	
7	.0	.2	.0	.0	• 0	.0	.2	.0	.2	.0	.0	.0	.0	.2	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	. 0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.2	2.7	.5	.0	.0	.0	3.4	.0	3.3	.3	.0	.0	.0	3.6	97.0

SEPTEMBER

TABLE 18 (CONT)

AREA 0007 CAPE VERDE ISLANDS 15.5N 24.0W

PERIOD: (OVER-ALL) 1963-1973

PERIOD: (PRIMARY) 1906-1973 (OVER-ALL) 1855-1973

TABLE 1

AREA 0007 CAPE VERDE ISLANDS 15.5N 23.9W

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

			P	RECTPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRIN PCPN	HAIL	PCPN AT	PCPN PAST HOUR	THOR	FOG. WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	
N NE	1.0	.7	.0	.0	.0	•0	.0	1.7	1.1	1.1	9.8	.0	1.4	.3	84.7
E	1.8	1.6	.5	.0	.0	.0	.0	4.0	.7	4.9	6.3	.0	1.3		83.4
ŞE	5.4	4.8	.0	.0	.0	•0	.0	10.2	1.8	5.4	2.4	.0	1.2		79.0
ŠW	9.3	3.8	.0	.0	.0	•0	.0	7.7	.0	14.0	7.7	.0	.0	.0	72.1
W	22.2	14.8	.0	.0	.0	•0	.0	37.0	.0	7.4	.0	.0	.0	.0	63.0
NW VAR	1.7	3.4	.0	.0	.0	•0	.0	5.2	.0	5.2	3.4	.0	.0		87.9
CALM	.0	•0	.0	.0	.0	•0	.0	.0	.0	.0	.0	.0	.0	8.3	91.7
TOT PCT TOT DBS:	1.2	1.2	.2	.0	.0	•0	.0	2.7	.7	2.0	7.1	.0	1.6	.3	86.0

TABLE 2
PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	
00803	1.3	.5	.3	.0	.0	.0	.0	2.1	.5	3.2	3.4	.0	2.1	.5	88.4
90300	.7	2.0	.5	.0	.0	•0	.0	3.2	.9	2.3	8.8	.0	.5	.2	84.5
12615	1.2	.6	.0	.0	.0	•0	.0	1.8	.6	.3	6.2	.0	3.2	.3	87.9
18621	2.2	1.4	.0	.0	.0	•0	.0	3.6	.7	2.2	8.9	.0	1.2	.0	84.1
TOT PCT TOT DBS:	1.3	1.2	.2	.0	.0	•0	.0	2.7	.7	2.0	7.0	•0	1.6	.3	86.0

TABLE 3

				PERC	ENTAGE	FREQUE	NCY DF	WIND I	IRECTIO	N BY SP	EED AN	D BY H	DUR				
WND DIR	0-3			ED (KNI 22-33		48+	TOTAL	PCT	MEAN	00	03	06	HOUR 09	(GMT)	15	18	21
							085	FREQ	SPD								
N	1.0	8.0	6.4	.3	.0	.0		15.6	10.3	20.0	9.8	16.8		22.9	10.4	15.4	14.3
NE	1.8	26.4	30.0	1.8	. 1	.0		60.1	11.5	61.2	57.3	58.1	59.0	61.2	63.2	62.7	59.2
E	.6	8.1	6.5	1.1	. 1	.0		16.4	11.5	10.7	23.2	15.6	17.7	8.9	19.8	14.9	19.4
SE	.3	1.7	.9	.1		.0		3.1	9.5	2.3	4.5	3.3	2.8	2.7	2.7	3.2	3.2
S	.2	.5	.1	.0	.0	.0		. 8	6.5	.4	1.3	1.3	.7	.5	.6	.9	.4
SW	.1	.3	.2	*	.0	.0		.6	9.1	.8	1.0	.6	.4	. 8	.4	.5	.3
W	.2	.2	.1		.0			.5	8.3	.3	.5	.6	.3	.6		.5	.5
NW	.1	1.0	.3	.1	.0	.0		1.4	8.6	2.1	.4	1.9		1.7	1.1	1.0	
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0		.0		.0	.0
CALM	1.3							1.3	.0	2.2		1.8	.9	. 8	1.2	.9	1.1
TOT OBS	327	2637	2556	196	8	0	5724	•••	11.0	496	594	1043	744	497	567	1025	758
TOT PCT	5.7	46.1	44.7	3.4	.1	.0	-,	100.0			100.0				100.0		

					TAB	LE 3A							
WND DIR	0-6	WIND 7-16	SPEED 17-27		41+	TOTAL	PCT	MEAN S.P.D	00	HDU1 06 09			
N	3.4	10.3	1.8		.0		15.6	10.3	14.4	16.6	16.3		
NE	9.6	40.2	10.1	• 2	.0		60.1	11.5	59.1	58.5	62.3	61.2	
SE	3.7	9.3	3.2	.2	.0		16.4	11.5	17.5	16.5	14.7	16.8	
SE	1.2	1.5	.4		.0		3.1	9.5	3.5	3.1	2.7	3.2	
S	.6	.2		.0	.0		. 8	6.5	.9	1.1	.6	.7	
SW	.6	.2	.1	.0	.0		.6	9.1	.9	.5	.5	.4	
W	.3	.1	.1	.0	.0		.5	8.3	.4	.5	.5	.5	
NW	.7	.7	.1		.0		1.4	8.6	1.2	1.8	1.4	1.3	
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	
CALM	1.3		•				1.3	.0	2.1	1.5	1.0	1.0	
TOT OBS	1201	3578	910	35	0	5724		11.0	1090	1787	1064	1783	
TOT PCT	21.0	62.5	15 9	- 6	- 0		100-0		100.0	100-0	100.0	100-0	

PERIOD: (PRIMARY) 1906-1973 (OVER-ALL) 1855-1973

TABLE 4

AREA 0007 CAPE VERDE ISLANDS 15.5N 23.9W

PERCENTAGE	EREQUENCY	DE	WIND	SPEED	AY	HOUR	(CHT)

HOUR	CALM				SPEED (4.	MEAN	PCT	TOTAL
HUOK	CALM	1-3	4-10	11-21	22-33	34-47	48+	MEAN	FREE	003
00603	2.1	5.6	48.4	40.6	3.1	.1	.0	10.5	100.0	1090
90300	1.5	3.8	49.7	42.4	2.6	:1	.0		100.0	1787
00007	1.0	3.0		76.4	2.0	• •		10.0	100.0	4101
12615	1.0	3.7	43.2	48.0	4.0	.0	.0	11.4	100.0	1064
18621	1.0	4.6	42.6	47.4	4.1	.3	.0	11.3	100.0	1783
TOT	77	250	2637	2556	196	8	0	11.0		5724
DOT	1 1				4 /		•		100 0	

TARIF

, and c																		
	PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION MEAN						PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION											
WND DIR	0-2	3-4	5-7	DBSCD	TOTAL	CLOUD COVER	000 149	150 299	300 599	600 999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8	
N	8.2	4.6	4.6	1.7		3.3	.0	.2	. 1	4	.8	.8	7	.0	.0	.1	16.0	
NE	3.2	14.0	18.5	8.7		3.9	.0	.0	:1	2.6	1.3	3.1	1.7	.8	:0	:1	7.2	
				_								• • • • • • • • • • • • • • • • • • • •				2.50		
SE	• •	• •	.8	.8		5.2	.0	.1	.0	• 2	• •		.3	.2	.0	.0	1.2	
2		. 1	.1	. 2		4.9	.0	.0	.0	.0	.1	.0	.0	.0	.0	• 1	.4	
SW	.2	.2	.2	.2		4.5	.0	.0	.0	. 1	.1	.0	• 0	.0	.0	.1	.5	
*	.0	.3	.1	.0		4.2	.0	.0	.0	. 1	.0	.0	.0	.0	.0	.0	.3	
NW	.8	.6	.3	.1		3.2	.0	.0	.0	.1	.1	.1	.0	.0	.0	.0	1.5	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.6	.2	.1	.3		3.4	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	1.0	
TOT OBS	357	218	268	135	978	3.8	0	5	8	39	76	43	27	10	1	10	759	978
TOT PCT	36.5	22.3	27.4	13.8	100.0		.0	.5	. 8	4.0	7.8	4.4	2.8	1.0	.1	1.0	77.6	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

					VSBY (NE	1)			
C	EILING	- OR	· OR	= DR	- DR	- nR	- DR	• DR	- DR
	FEETI	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
- OR	>6500	.5	1.1	1.1	1.1	1.1	1.1	1.1	1.1
- OR	>5000	1.6	2.3	2.3	2.3	2.3	2.3	2.3	2.3
. DR	>3500	4.0	5.1	5.1	5.1	5.1	5.1	5.1	5.1
- OR	>2000	8.3	9.5	9.5	9.5	9.5	9.5	9.5	9.5
- DR	>1000	14.5	16.9	17.0	17.0	17.1	17.1	17.1	17.1
- 08	>600	17.1	20.6	20.8	20.8	20.9	20.9	20.9	20.9
. DR	>300	17.6	21.3	21.7	21.7	21.8	21.8	21.8	21.8
. OR	>150	17.9	21.8	22.2	22.2	22.3	22.3	22.3	22.3
. OR	> 0	17.9	21.8	22.2	22.2	22.3	22.3	22.3	22.3
	TOTAL	178	216	220	220	221	221	221	221

TOTAL NUMBER OF OBS: 993

PCT FREQ NH <5/8: 77.7

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3		5	6	7	8	DBSCD	TOTAL
15.5	16.9	18.0	16.1	10.5	5.4	6.0	4.4	7.2	.0	1046

PERIOD:	(PRIMARY)	1906-1973	
	(OVER-ALL)	1855-1973	

T	AP	 : 8	

AREA 0007 CAPE VERDE ISLANDS 15.5N 23.9W

		P	ERCENT	PREC	OF WIND	DIREC	TIUN V	ING V	ALUES	F VIS	IBILIT	URRENC	E OF
VSBY (NM)		N	NF	E	SF	5	SW	W	NW	VAR	CALM	PCT	TOTAL
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	PCP	.0	.1		.0	.0	.0	.0	.0	.0	.0	.1	
1/2<1	NO PCP	1.6	4.1	.9	.1	.0	.1	.0	.0	.0	.0	6.6	
	TOT %	1.6	4.2	:9	.1	.0	.1	.0	.0	•0	.0	6.7	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	NO PCP	.1	.2	.1		.0	.0	.0	.0	.0	.0	.5	
	TOT %	.1	.2	:1		.0	.0	.0	.0	.0	.0	.5	
	PCP	.0			.1	.0	.0	.0	.0	.0	.0	.1	
2<5	NO PCP	.1	.2	.1	.0	.0	.0	.0	.0	.0	.0	.4	
	TOT *	.1	.2	.1	.1	.0	.0	.0	.0	.0	.0	.5	
	PCP	.3	.5	.3	.2	.1	.1	.2	.1	.0	.0	1.7	
5<10	NO PCP	5.1	15.2	4.5	1.1	.3	.3	.1	.4	.0	.3	27.1	
	TOT %	5.4	15.6	4.8	1.3	.4	.3	.2	.5	•0	.3	28.8	
	PCP		.5	.1	.0	.1	.0	.0	.0	.0	:0	.7	
10+	NO PCP	12.0	40.5	6:3	1.2	:2	:5	:0	1.4	.0	.5	62.8	
	TOT %	12.0	41.0	6.4	1.2	.3	.5	.2	1.4	.0	.5	63.5	
	TOT DBS												1541
	TOT PCT	10 1	41 2	12 2	2 7	7		4	1 0	. 0		100 0	

TABLE 9

VSBY (NM)	SPD	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT \$.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	0-3	.1	.2		.0	.0		.0	.0	.0	.0	.3	
1/2<1	4-10	.4	1.2	.3		.0	.0	.0	.0	.0		1.9	
	11-21	.3	. 8	.2	.0	.0	.0	.0	.0	.0		1.3	
	22+	.0		.0	.0	.0	.0	.0	.0	.0			
	TOT %	.8	2.2	.5		.0		.0	.0	.0	.0	3.6	
	0-3	.0		.0	.0	.0	.0	.0	.0	.0	.0		
1<2	4-10	.0	.1	.1		.0	.0	.0	.0	.0		.2	
	11-21	.1			.0	.0	.0	.0	.0	.0		.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT \$.1	.2	.1		.0	.0	.0	.0	.0	.0	.4	
	0-3			.0	.1		.0		.0	.0	.0	.2	
2<5	4-10	.2	.5	.1	.1		*	.0	.0	.0		.9	
	11-21	.1	.3	.1		.0	.0	.0	.0	.0		.5	
	22+	.0	.0	.1		.0	.0	.0	.0	.0		.1	
	TOT %	.2	.9	.2	.2	.1		•	.0	.0	.0	1.6	
	0-3	.2	.5	.2	.1	.0	.0		.1	.0	.3	1.5	
5<10	4-10	2.7	5.9	2.0	.6	.2	.1	.0	.3	.0		11.7	
	11-21	1.7	6.1	1.5	.3		.1	.1	.1	.0		9.8	
	22+	.1	.5	.1		.0	*			.0		. 8	
	TOT %	4.7	13.0	3.8	1.1	•2	.2	.1	.5	.0	.3	23.9	
	0-3	1.0	1.3	.3	.2	.1			.1	.0	.9	3.9	
10+	4-10	6.4	20.4	5.3	. 8	.1	.2	.1	.8	.0		34.1	
	11-21	5.2	22.3	3.0	.3	• 1	.1	.1	.3	.0		31.4	
	22+	2	.6	. 2		.0	.0	.0	.0	.0		1.0	
	TOT \$	12.8	44.7	8.8	1.2	.3	.3	.2	1.2	.0	.9	70.5	
	OT DBS	18.6	61.1	13.4	2.5	.6	.5	.4	1.7	.0		100.0	2912

PERIOD: (PRIMARY) 1906-1973 (UVER-ALL) 1855-1973

TABLE 10

AREA 0007 CAPE VERDE ISLANDS

PERCENT FREQUENCY OF CEILING HFIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000	150 299	300 599	999	1000	2000 3499	3500 4999	50n0 6499	6500	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL
00603	.0	.7	.4	5.2	8.6	4.1	1.5	.7	.0	1.1	22.3	77.7	269
06609	.0	.0	1.2	3.6	6.3	4.8	3.2	.8	.0	1.6	21.4	78.6	252
12615	.0	.0	.4	3.5	7.4	5.1	3.9	1.2	.4		22.6	77.4	257
18821	.0	1.2	1.2	2.8	7.2	3.2	2.4	2.0	.0	.4	20.4	79.6	250
TOT	.0	.5	.8	3.8	76	4.3	28	1.2	.1	10	223	805 78.3	1028

TABLE 11

TABLE 12

		PERCENT	FREQUEN	CY VSB	(MM)	RY HOUR		CUMULAT					VSBY (NM)	
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL
00603	.0	2.4	.2	1.4	23.5	72.2	626	E0300	.0	1.2	6.5	16.2	77.3	260
06609	.0	4.0	.3	.6	27.3	67.7	865	90360	.0	1.2	5.4	17.4	77.2	241
12615	.0	3.3	1.0	2.1	20.2	73.4	605	12615	.0	.8	4.4	18.5	77.1	249
18621	.0	4.1	.2	2.4	24.1	69.2	851	18621	.0	2.5	5.8	15.6	78.6	243
TOT	0	105	12	47	712	2071	2947	TOT	0	14	55	168	770	993

TABLE 13

				T	ABLE 1	3				
	PERC	ENT FR	EQUENC	Y OF R	ELATIV	E HUMI	DITY B	Y TEMP	TOTAL	PCT
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	OBS	FREQ
90/94	.0	.0	.0	.0	.2	.0	.0	.0	2	.2
85/89	.0	.0	.0	.2	1.3	1.6	.5	.0	38	3.5
80/84	.0	.0	.0	.0	2.9	16.2	15.5	2.7	409	37.4
75/79	.0	.0	.0	.1	1.6	20.5	29.0	7.4	641	58.6
70/74	.0	.0	.0	.0	.1	.0	.2	.1	. 4	.4
TOTAL	0	0	0	3	67	418	494	112	1094	100.0
PCT	0	0	. 0	2	6.1	38.2	45.2	10.2		

TABLE 14

	PERC	ENT FR	EQUENCY	OF WI	ND DIR	ECTIO	N BY T	EMP	
N	NE	E	SE	s	SW	W	NW	VAR	CALM
.0	.1	.1	.0	.0	.0	.0	.0	.0	.0
1.1	1.6	.3	.2	.0	.2	.0	.1	.0	.0
8.4	22.3	3.6	1.1	.2	.2	.1	1.1	.0	.4
9.4	39.9	5.8	1.3	.2	.3	.1	. 8	.0	.6
.0	.3	.1	.0	.0	.0	.0	.0	.0	.0
18.9	64.2	9.9	2.6	.4	.6	.2	2.0	.0	1.0

TABLE 15

	MEANS,	EXTREME	S AND	PERCEN	TILES	OF TEN	IP (DE	G F) B	Y HOUR
HOUR	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL
00803	86	82	81	78	75	73	70	78.2	1085
90300	88	83	82	78	75	74	69	78.2	1765
12615	91	88	85	81	77	75	73	80.9	999
18621	92	87	84	80	76	74	70	79.9	1709
						-			

	PERC	ENT PRE	MOENCA	OF KELA	ITAE H	DWIDILA	BY HUUK	
HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
00803	.0	.0	2.3	31.5	53.7	12.4	82	298
90300	.0	.0	1.1	26.1	58.7	14.1	83	283
12615	.0	1.1	13.3	48.1	31.8	5.7	77	264
18621	.0	.0	8.2	47.8	35.4	8.6	79	268
TOT	0	3	67	423	505	115	81	1113

PERIOD: (PRIMARY) 1906-1973 (UVER-ALL) 1855-1973

TABLE 17

AREA 0007 CAPE VERDE ISLANDS 15.5N 23.9W

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA	73	77	81	85	89	TOT		WD
TMP DIF	76	80	84	88	92		FOG	FOG
11/13	.0	.0	.0	.0	.1	1	.0	.1
9/10	.0	.0	.0	.1	.1	4	.0	.3
7/8	.0	.1	.1	.9	.1	16	.0	1.1
6	.0	.1	.2	.6	.0	13	.0	.9
5	.0	.1	.5	.4	.0	14	.1	.9
	.1	.3	1.3	.6	.0	31	.1	2.1
3	.0	.8	2.5	.4	.0	51	.4	3.3
2	• 1	2.3	3.8	.1	.0	87	.3	5.9
1	• 2	5.5	4.7	.1	.0	148	1.0	9.6
1	.3	13.9	5.2	.0	.0	270	1.7	17.6
-1	.7	20.6	2.8	.0	.0	337	1.6	22.5
-2	2.1	12.9	.4	.0	.0	216	. 8	14.7
-3	1.8	5.3	.4	.0	.0	104	.1	7.4
-4	.9	2.4	.1	.0	.0	48	.1	3.3
-5	.6	2.1	.0	.0	.0	37	.0	2.6
-6	.5	.4	. 1	.0	.0	14	.0	1.0
-7/-8	.3	.1	.0	.0	.0	5	.0	.4
-9/-10	•1	.1	.0	.0	.0	2	.0	.1
TOTAL	107		307		4		87	1311
		935		45		1398		
PCT	7.7	66.9	22.0	3.2	.3	100.0	6.2	93.8

PERIOD: (QVER-ALL) 1963-1973

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

				N							NE			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	:5	1.7	.0	.0	.0	.0	2.2	.3	1.7	.2	.0	.0	.0	2.1
1-2	.7	5.0	.9	.0	.0	.0	6.6	. 8	13.1	8.9	.0	.0	.0	22.7
3-4	.2	3.2	3.9	.3	.0	.0	7.5	•0	8,4	14.1	.1	.0	.0	22.5
3-6	.0	.2	2.6	.2	.0	.0	3.0	.0	1.4	11.9	.2	.0	.0	13.6
7	.0	.0	1.2	.0	.0	.0	1.2	.0	.0	3.0	.5	.0	.0	3.5
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.0	.0	.0	.5
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.1	.0	.0	.1	.0	.0	.0		.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	. 7	.0	.0	.0	.0
TOT PCT	1.3	10.0	8.6	.6	.0	.0	20.6	1.0	24.6	38.6	.9	.0	.0	65.0
				E							22-33			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21		34-47	48+	PCT
<1	.3	.2	.0	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0
1-2	.2	3.0	.9	.0	.0	.0	4.0	.0		.0	.0	.0	.0	
3-4	.0	1.9	1.1	.2	.0	.0	3.1	.0	.2	.2	.0	.0	.0	.4
5-6	.0	.4	1.0	.1	.0	.0	1.5	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	•0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.5	5.4	3.1	.3	.0	.0	9.3	.0	.2	.2	.0	.0	.0	.4
												-		

PERIOD: (OVER-ALL)	1943-1973	DCTOBER	1051 0007 CARE VERDE 151 ANDS
PERIOD. ISTER-ALL!	1403-14/3	TABLE 18 (CONT)	AREA 0007 CAPE VERDE ISLANDS

PCT FREQ OF WILD SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT

				PC	T FREQ (F WI D	SPEED	(KTS)	AND DIR	ECTION	VERSUS S	EA HEIG	HTS (FT)			
				s								SW				
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3			22-33	34-47	48+	PCT	
<1	.0	.0	.0	.0	.0	.0	.0		.2			.0	.0	.0	.4	
1-2	.0	.2	.0	.0	.0	.0	.2		.0			.0	.0	.0	.2	
3-4	.0	.0	.0	.0	.0	.0	.0		.0			.0	.0	.0		
5-6		.0	.0	.0	.0	.0	.0		.0			.0	.0	•0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0		.0			.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0		.0			.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0		.0			.0	.0	•0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0		.0			.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0		.0			.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0		.0			.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0		.0			.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0		.0			.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0		.0			.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0		.0			.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0		.0			.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0		.0			.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0		.0			.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0		.0			.0	.0	.0	.0	
TOT PCT	.0	.2	.0	.0	.0	.0	.2		.2	.4		.0	.0	.0	.6	
				W	34-47							NW				PCT
HGT	1-3	4-10	11-21	22-33		48+	PCT		1-3			22-33	34-47	48+	PCT	PCI
<1	.0	.0	.0	.0	.0	.0	.0		.0			.0	.0	.0	.0	
3-4	.0	.0	.1	.0	.0	.0	.1		.2			.0	.0	.0	1.0	
5-6	.0	.0	.0	.0	.0	.0	.0		.0			.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0		.0			.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	:0		.0			.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0		.0			.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0		.0			.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0		.0			.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0		.0			.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0		.0			.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0		.0			.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0		.0			.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0		.0			.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0		.0			.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0		.0			.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0		.0			.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0		.0			.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
TOT PCT	.2	.0	.1	.0	.0	.0	.3		.2			.0	.0	.0	2.0	98.4

	MIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	3.3	4.4	.2	.0	.0	.0	7.9	000
1-2	2.5	21.6	10.7	.0	.0	.0	34.8	
3-4	• 2	13.5	19.9	.5	.0	.0	34.1	
5-6	•0	1.9	15.3	.5	.0	.0	17.8	
7	• 0	.0	4.2	.5	.0	.0	4.7	
8-9	.0	.0	,5	.0	.0	.0	.5	
10-11	•0	.0	.0	.0	.0	.0	.0	
12	•0	.0	.0	.2	.0	.0	.2	
13-16	•0	.0	.0	.0	.0	.0	.0	
17-19	•0	.0	.0	.0	.0	.0	.0	
20-22	• 0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	•0	.0	.0	.0	.0	.0	.0	
41-48	•0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	• 0	.0	.0	.0	.0	.0	.0	
								569
TOT PCT	6.0	41.5	50.8	1.8	.0	.0	100.0	

PER	IOD:	(DV	ER-ALL) 194	9-1973	,				TABLE	19											
						PERCENT	FRE	QUENCY	OF W	AVE HEIG	HT (FT	r) vs	WAVE P	ERIOD	SECON	os)						
PERIO		<1	1-2	3-4	5-6	7	8-9	10-11	1	2 13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN
<6		.3	11.7	15.7	7.1	2.6	.9	.0		0.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	328	3
6-7		.0	.9	9.1	12.6	3.6	1.7	.6		1 .0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	233	5
8-9	,	.0	.6	1.2	4.3	2.3	.9	.4			.0	.0		.0	.0	.0	.0	.0	.0	.0	80	6
10-1		.0	1.1	.4	2.2	.9	.6	.6			.0	.0	.0	.0		.0	.0	.0	.0	.0	47	5
12-1	3	.0	.0	.7	.6	.4	.1	.1			.0	.0	100	.0	.0	.0	.0	.0	.0	.0	16	5
>13		.0	.0	.0	.1	.1	.1	.0			.0	.0	.0	.0		.0	.0		.0	.0	3	7
INDE	T 2	.5	2.5	4.2	3.2	. 6	.1	.1			.0	.0	.0	.0		.0	.0	.0	.0	.0	108	3
7074	AL .	39	136	255	246	85	36	15		1 2	Ö	0	0	0	0	0	0	0	Ö	0	815	4
PCT	4	. 8	16.7	31.3	30.2	10.4	4.4	1.8		1 .2	.0	-0	-0	.0	.0	.0	.0	.0	.0	.0	100.0	

NOVEMBER

PERIOD: (PRIMARY) 1906-1973 (OVER-ALL) 1854-1973

TABLE 1

AREA 0007 CAPE VERDE ISLANDS 15.5N 23.9W

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

			P	RECIPI	TATIO	N TYPE					DTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HATL	PCPN AT OB TIME	POPN PAST	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUS BLWG SND	
N NE	.0	.0	.0	.0	.0	•0	:0	.0	1.1	.0	1.8	.0	1.2	:0	95.9
E	1.2	1.7		.0	.0	•0	.0	3.5	.7	.8	8.7	.0	2.0		84.1
SE	2.1	.0	2.1	.0	.0	•0	.0	4.2	1.0	.0	4.2	.0	.0	.0	90.6
5	.0	.0	.0	.0	.0	•0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12.5	.0	.0	.0	87.5
	.0	.0	.0	.0	.0	•0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
NW	6.5	.0	.0	.0	.0	•0	.0	6.5	.0	.0	.0	.0	.0	6.5	87.1
VAR	.0	.0	.0	.0	.0	•0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	•0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	1491	.4	.3	.0	.0	.0	.0	1.1	.6	.2	3.7	.0	1.5	.2	92.8

TABLE ?

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			P	RECIPI	TATIO	N TYPE					GTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	PCPN	HAIL	PCPN AT	PCPN PAST	THOR	FOG WD PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	NO SIG WEA
00603 06609 12615 18621	1.5	.6 .2 .3	.0	.0	.0	•0	.0	2.2 .3	.0 .7 .3	.3	3.3 3.9 2.4	.0	1.2 1.5 2.2 1.0	.3	94.3 91.4 94.9 91.3
TOT PCT	.5	.5	.3	.0	.0	.0	.0	1.1	.7	.2	3.6	.0	1.4	.2	92.9

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		WIR	O SPE	ED (KN	וצדם								HOUR	(GMT)				
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL		SPD	00	03	06	09	12	15	18	21	
N NE	1.6	25.2	33.6	3:2	.1	.0		11.2	10.9	13.7	57.2	10.9	10.8	18.6	8.8	11.7	9.4	
E	.8	8.0	8.8	1.4	.1	.0		19.1	12.2	14.4	26.3	20.4	19.2	9.6	22.5	17.1	22.0	
SE	.3	1.2	.7	.1	.0	.0		2.4	10.0	2.3	4.3	2.4	2.2	1.0	2.8	1.9	2.6	
S	.3	.3	.1		.0	.0		.7	6.0	.5	1.3	.9	1.8	.1	. 8	.2	.2	
SW	.2	.3			.0	.0		.5	5.1	.5	.6	.9	.5	.0	.5	.3	.5	
W	.2	.1	.0	.0	.0	.0		.3	4.1	.0	.4	.2	.3	.4	.3	.2	.6	
NW	.2	.6			.0	.0		.8	6.4	.9	.6	1.7	.4	.6	.2	1.0	.5	
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	1.4							1.4	.0	.8	2.4	1.6	1.0	1.4	. 8	1.4	1.5	
TOT OBS	300	2266	2629	283	10	0	5488		11.7	486	541	1023	673	511	527	974	753	
TOT PCT	5.5	41.3	47.9	5.2	.2	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TABLE 3A

WND DIR	0-6	WIND 7-16	SPEED 17-27	(KNDTS) 28-40	41+	TOTAL	PCT	MEAN	00	HDUR 06	12	18
						ORS	FREQ	SPD	03	09	13	21
N NE	2.4	7.0	14.5		.0		11.2	10.9	10.1	10.8	13.6	10.7
E SE	3.4	10.7	4.6	.4			19.1	12.2	20.7	20.0	16.1	19.2
SE	.9	1.0	.4		.0		2.4	10.0	3.4	2.3	1.9	2.2
S	.5	.2		.0	.0		.7	6.0	.9	1.2	.4	.2
SW	.4	.1		.0	.0		.5	5.1	.6	.7	.2	.4
W	.2	.1	.0	.0	.0		.3	4.1	.2	.2	.3	.3
NW	.5	.3		.0	.0		.8	6.4	.7	1.2	.4	.8
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	1.4						1.4	.0	1.7	1.4	1.1	1.4
TOT DBS	978	3280	1175	54	1	5488		11.7	1027	1696	1038	1727
TOT PCT	17.8	59.8	21.4	1.0			100.0		100.0	100.0	100.0	100.0

NOVEMBER

PERIOD: (PRIMARY) 1906-1973 (GVER-ALL) 1854-1973

TABLE 4

AREA 0007 CAPE VERDE ISLANDS 15.5N 23.9W

PERCENTAGE FREQUENCY OF WIND SPEED BY HUUR (GMT)

HOUR	CALM	1-3	4-10	WIND 11-21	SPEED (KNOTS) 34-47	48+	MEAN	PCT	TOTAL
00603	1.7	4.3	44.0	45.2	4.9	.0	. 0	11.4	100.0	1027
90300	1.4	4.2	43.9	45.8	4.5	. 2	.0		100.0	1696
12615	1.1	3.8	39.0	50.1	5.8	. 3	.0		100.0	1038
18621	1.4	4.0	38.5	50.3	5.6	.2	.0	12.0	100.0	1727
TOT	76	224	2266	2629	283	10	0	11.7		5488
PCT	1.4	4.1	41.3	47.9	5.2	.2	.0		100.0	

TABLE

TABLE 6

P	PCT FREQ OF IDTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION MEAN								PERCEN	TAGE F	REQUEN	CE OF	CEILIN NH <5/	B BY W	HTS (RECTIO	>4/8) JN	
WND DIR	0-2	3-4	5-7	8 E 085CD	TOTAL	CLOUD COVER	000 149	150 299	300 599	600 999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	
N_	6.7	5.1	3.7	2.1		3.6	.0	.0	.1	3	1.7	.6	3	:3	.0	.2	14.1	
NE	25.3	17.1	18.7	4.5		3.5	.0	.0	. 1	1.6	4.9	2.0	1.8		0.00	.6		
E	3.4	3.2	3.9	2.1		4.4	.0	.0	.2	.5	1.4	. 8	.2	.0	. 2	.1	9.1	
SE	.2	.2	.4	.6		5.8	.0	.0	.0	. 2	.0	.0	.0	.0		.0	1.1	
5	.1	.0	.1	.0		4.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.1	
SW		- 1	.1	. 0		4.6	.0	.0	.0	. 1	.0		.0	.0	.0	.0	.1	
	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NW	.5	.2	.4	.3		4.0	.0	.1	.0	.0	.3	.2	.0	.0	.0	.0	.8	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	. 3	.2	.3	- 1		3.7	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.8	
TOT DBS	345	246	262	90	943		0	1	4	26	79	34	22	6	5	8	758	943
TOT PET	36.6	26.1	27.8		100.0		.0	.1	.4	2.8	8.4	3.6	2.3	.6	.5	.8	80.4	100.0

TABLE 7

CUMUL ATTVE	PCT	FREQ	DF	SIMULTANEDUS	DCCURRENCE
OF CETLI	NG HE	IGHT	INH	1 34/8) AND V	SRY (NM)

					VSBY (NM	1)			
CEIL	ING	• DR	· CR	• OR	- DR	- DR	- OR	· OR	= OR
(FE		>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
. DR >	5500	1.0	1.5	1.6	1.6	1.6	1.6	1.6	1.6
. DR >	5000	1.6	2.1	2.2	2.2	2.2	2.2	2.2	2.2
. OR >		3.2	4.4	4.5	4.5	4.5	4.5	4.5	4.5
. 03 x	2000	5.8	7.9	8.1	8.1	8.1	8.1	8.1	8.1
. OR >	1000	12.0	16.0	16.5	16.5	16.5	16.5	16.5	16.5
. DR >		14.2	18.5	19.2	19.2	19.2	19.2	19.2	19.2
. OR >		14.4	19.2	19.6	19.6	19.6	19.6	19.6	19.6
. DR >		14.4	19.3	19.7	19.7	19.7	19.7	19.7	19.7
. DR >		14.4	19.3	19.7	19.7	19.7	19.7	19.7	19.7
	DTAL	138	185	189	189	189	189	189	189

TOTAL NUMBER OF OBS: 960

PCT FREQ NH <5/8: 80.3

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 0BSCD OBS 18.1 18.6 17.5 16.9 9.4 5.6 4.5 5.2 4.3 .0 1044 MOVEMBER

								MUAF	MOEK							
PERIOD:	(PRIMARY) 1 (QVER-ALL) 1	906-1973 854-1973						TAB	LE 8				ARE		CAPE 15.5N	VERDE ISLANDS 23.9W
			P	ERCENT	PREC	F WIND	DIREC	TION V	S DCCI	LUES	E DR N	IBILIT	URRENC	E OF		
	VSBY (NM)		N	NE	F	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL 085		
		PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			
	<1/2	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			
		TOT \$.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			
		PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			
	1/2<1	NO PCP	.2	1.5	1.5	. 1	.0	.1	.0	.0	.0	.0	3.4			
		TOT %	• 2	1.5	1.5	.1	.0	.1	.0	٠0	.0	.0	3.4			
		PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			
	1<2	NO PCP	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.5			
		TOT %	.0	.3	.2	.0	.0	.0	.0	.0	.0	.0	. 5			
		PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			
	2<5	NO PCP	.2	1.1	.1	.0	.0	.0	.0	.1	.0	.0	1.3			
		TOT %	• 2	1.1	.1	.0	.0	.0	.0	.1	.0	.0	1.3			
		PCP	.0	.3	.3		.0	.0	.0	.1	.0	.0	.7			
	5<10	NO PCP	4.6	16.4	6.3	.5	. 2	• 2	.0	.3	.0	.1	28.6			
		TOT %	4.6	16.7	6.6	.5	. 2	• 2	.0	.4	.0	• 1	29.2			
		PCP	.0	.1	.3	.1	.0	.0	.0	.0	.0	.0	.4			
	10+	NO PCP	10.4	43.9	8.3	1.0	. 2	.2	.1	.6	.0	.5	65.2			
		TOT %	10.4	44.0	8.6	1.0	. 2	. 2	.1	.6	.0	.5	65.6			

TOT 085 TOT PCT 15.3 63.5 17.0 1.6 .4 .5 .1 1.0 .0 .6 100.0

TABLE 9

PFRCENT FREG OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPO	N	NE	E	SE	s	Sw	w	NW	VAR	CALM	PCT	TOTAL
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	-
<1/2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	0-3	.0	.0	.0	.0	.0		.0	.0	.0	.0		
1/2<1	4-10	.0	.1	.1		.0	.0	.0	.0	.0		.2	
	11-21	.1	.7	.7		.0	.0	.0	.0	.0		1.5	
	22+	.0	.0		.0	.0	.0	.0	.0	.0		*	
	TOT %	.1	.8	.8		.0		.0	.0	.0	.0	1.8	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	4-10	.0	.1	.1	.0	.0	.0	.0	.0	.0		.2	
	11-21	.0	.2	.1	.0	.0	.0	.0	.0	.0		.2	
	22+	.0	.0	.0	*	.0	.0	.0	.0	.0		*	
	TOT %	.0	.2	.2		.0	.0	.0	.0	.0	.0	5	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0			
245	4-10	.1	.7	.2		.0	.0	.0		.0		1.1	
	11-21	.1	.7	.2	.0	.0	.0	.0	.0	.0		1.0	
	22+		.1	.1	:	.0	.0	.0	.0	.0		.3	
	TOT %	• 2	1.5	.1		.0	•0	.0		.0	*	2.4	
	0-3	.2	.4	.1	.3	.1		.0	.0	.0	.2	1.0	
5<10	4-10	1.3	4.7	1.8	. 3	.1	.1	.0	. 2	.0		8.6	
	11-21	1.6	8.5	2.3	.1	.0	.0	.0	.0	.0		12.5	
	22+	.2	. 9	.2		.0	.0	.0	.0	.0		1.3	
	TOT %	3.3	14.5	4.4	.5	.2	.2	.0	. 2	.0	.2	23.4	
	0-3	.3	1.2	.6	.3	.1	.1	.1	.2	.0	1.0	3.9	
10+	4-10	4.9	20.9	5.5	.9	.3	. 2	. 1	. 3	.0		33.1	
	11-21	3.7	24.9	3.6	.3			.0		.0		32.7	
	22+	9.1	1.8	.2	.0			.0		.0		2.3	
	TOT \$	9.1	46.9	10.0	1.4	.4	.4	. 2	. 5	.0	1.0	72.0	
	OT 085												2838
T	DT PCT	12.7	65.9	15.9	2.0	.6	. 5	. 2	. 9	.0	1.2	100.0	

NOVEMBER

PERIOD: (PRIMARY) 1906-1973 (OVER-ALL) 1854-1973

TABLE 10

AREA 0007 CAPE VERDE ISLANDS 15.5N 23.9W

PERCENT FREQUENCY OF CEILING HFIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000	150 299	300 599	999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL	
00603	.0	.0	.0	3.8	7.6	2.5	.4	. 6	. 6	.8	16.6	63.2	236	
90360	.0	.4	.4	1.7	10.3	4.3	4.3	.9	.0	.4	22.6	77.4	234	
12615	.0	.0	.3	2.7	7.5	3.1	2.0	.3	.7	.7	17.3	82.7	295	
18621	.0	.0	.8	1.9	6.1	3.8	1.9	.4	. 8	1.5	17.2	82.8	262	
PCT	.0	.1	.4	2.5	80 7.8	35 3.4	2.1	.6	.6	.9	189	840 81.6	1029	

TABLE 11

TABLE 12

		PERCENT	FREQUENCY	Y VSBY	(NM)	BY HOUR		CUMULAT					VSBY (NM)	
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL
00603	.0	1.7	.2	2.1	22.0	74.0	577	00803	.0	.0	5.0	14.2	80.8	219
06609	.0	1.8	.5	1.6	26.6	69.5	813	90360	.0	.9	3.7	21.6	74.8	218
12615	.0	1.5	.5	3.1	19.5	75.4	615	12615	.0	.4	5.8	14.5	79.7	276
18821	.0	1.8	.6	2.9	24.7	70.0	868	18621	.0	.8	6.1	14.6	79.4	247
TOT	0		13	69	677	2064	2973	TOT	0	5		154	756 78.8	960

TABLE 13

	PERC	ENT FR	EQUENC	Y OF R	ELATIV	HUMI	DITY B	Y TEMP	TOTAL	PCI
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100		FRE
85/89	.0	.0	.0	.2	.4	.2	.0	.0	. 8	. 6
80/84	.0	.0	.0	.2	4.1	8.3	4.4	1.5	194	18.6
75/79	.0	.0	.0	.3	5.3	30.9	25.0	9.5	741	70.9
70/74	.0	.0	.0	.0	1.4	4.8	2.1	1.4	102	9.8
TOTAL	0	0		7	117	462	329	130	1045	100.0
PCT	.0	.0	.0	.7	11.2	44.2	31.5	12.4		

TABLE 14

	PERC	ENT FR	EQUENCY	OF WI	ND DIR	ECTION	N BY TI	MP	
N	NE	E	SE	S	SW	W	NW	VAR	CALM
.2	.5	.1	.0	.0	.0	.0	.0	.0	.0
3.3	12.3	1.9	.4	.0	.0	.1	.3	.0	.2
10.8	47.9	9.5	.8	. 1	. 3	.0	1.1	.0	.5
2.0	5.7	1.7	.1	- 1	*	.0	.0	.0	.0
16.3	66.5	13.2	1.3	.3	.3	.1	1.4	.0	.7

TABLE 15

	HEARTS!	EATREM	EJ AND	FERGE	1,1553	ur , E	11 (06	6 7 7 8	, ADOK
HEUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL
E0300	85	81	80	76	73	71	68	76.3	1035
90390	84	81	80	76	73	71	66	76.2	1686
12615	90	85	84	79	75	73	67	78.9	986
18621	90	85	82	77	74	72	67	77.7	1675
TOT	90	04	0.7	77	72	70		77 .	

	PERC	ENT FRE	QUENCY	DF RELA	TIVE H	UMIDITY	BY HOUR	
HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
00603	.0	.0	6.3	38.5	36.2	15.7	80 81	254
12615	.0	1.4	16.8	47.7	26.0	8.1	77	285
18821 TOT	.0	• 7	15.0	47.9	26.2	10.1	78 79	267

NOVEMBER

PERIOD: (PRIMARY) 1906-1973 (OVER-ALL) 1854-1973

TABLE 17

AREA 0007 CAPE VERDE ISLANDS 15.5N 23.9W

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)

VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

	00000	- marin			-					
AIR-SEA	65	69	73	77	81	85	89	TOT	*	WO
TMP DIF	68	72	76	60	84	88	92		FOG	FOG
11/13	.0	.0	.0	.0	.0	.1 .2 .1	.0	1	.0	.1 .3 .2 .5
9/10	.0	.0	.0	.0	.1	. 2	.0	4 3	.0	.3
7/8	.0	.0	.0	.1	.0	. 1	. 1	3	.0	.2
6	.0	.0	.0	.1	.0	. 1	.0	8	. 1	.5
5	.0	.0	. 1	. 1	.4	.1	.0	11	.0	.8
4	.0	.0		.1	1.2	.1	.0	23	.0	1.6
3	.0	.1	.2	1.0	.9	. 1	.0	32	.1	2.1
2	.0	.0	.6	2.4	1.9	.0	.0	68	.1	4.7
1	.0	.0		5.9	1.8	.0	.0	121	.6	8.0
0	.0	.1	3.2	12.5	1.6	.0	.0	243	1.1	16.2
0 -1	.0	.1	7.2	13.0	.5	.0	.0	291	1.0	19.8
-2	.0	.1	10.4	9.8	.1	.0	.0	286	.6	19.8
-3	.0	.1	7.2	4.4	.1	.0	.0	166	.0	11.9
-4	.0	.3	2.3	1.9	.1	.0	.0	63	.0	4.5
-5	.0	.0		1.2	.0	.0	.0	45	. 1	3.1
-6	.0	.2	.5	.4	.0	.0	.0	16	.0	1.1
-7/-8	.0	.2		.2	.0	.0	.0	12	.0	.9
-9/-10	.1	.1	.1	.0	.0	.0	.0	4	.0	.3
TOTAL	2		493		125		. 1		54	1343
10125	2	18	4.5	747	163	11	•	1397	,	
PCT	. 1	1.3	35.3		8.9	11	.1	100-0	3.9	96.1

PERIOD: (OVER-ALL) 1963-1973

				PC	T FREQ	OF WIND	SPEED	(KTS) AND DIR	ECTION	VERSUS S	EA HEIG	HTS (FT)		
				N							NE			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3		11-21	22-33	34-47	48+	PCT
<1	.0	.1	.3	.0	.0	.0	4	.4	1.7	.1	.0	.0	.0	2.1
1-2	.2	3.9	2.9	.0	.0		7.0	1.3	12.8	6.0	.0	.0	.0	20.1
3-4	.0	1.5	3.6	.3	.0		5.4	.2	9.1	16.9	1.0	.0	.0	27.2
5-6	.0	•4	1.9	.0	.0		2.3	.0	1.4	3.0	1.3	.0	.0	3.7
8-9	.0	.0	.6	.2	.0		.8	.0	.0	1.2	1.0	*	.0	2.3
10-11	.0	.0	.1	.1	.0		.1	.0	.0	.0	.2	.0	.0	.2
12	.0	.0	.1	.0	.0		:1	.0	•0		.0	.0	.0	*
13-16	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0		.0	.0	•0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	• 2	6.0	9.6	.8	•0	.0	16.5	1.8	25.0	38.3	4.2	*	•0	69.4
HGT	1-3	4-10	11-21	E 22-33	34-47	48+	PCT	1-3	4-10	11-21	SE 22-33	34-47	48+	PCT
<1	.1		.0	.0	.0		7(1	1-3	*-10	.0	.0	.0	.0	.1
1-2	.0	4.3	.9	.0	.0		5,3	.4		.0	.0	.0	.0	.4
3-4	.0	1.8	2.2	.0	.0		3,9	.0	.0		.0	.0	.0	
5-6	.0	.0	.9	.1	.0		1,1	.0			.0	.0	.0	
7	.0	.0	.6	.1	.0		.7	.0	.0	.0	.0	.0	.0	-0
8-9	.0	.0	.1	.1	.1		.4	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0		.0			.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	•0		.0			.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0		.0			.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0		.0			.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0		.0	•0		.0	.0	.0	.0	.0
TOT PCT	.1	6.8	4.7	.4	•1	.0	12.2	.4		.1	.0	.0	.0	.6

NOVEMBER AREA 0007 CAPE VERDE ISLANDS
TABLE 18 (CONT) 15.5N 23.9W

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

				PC	T FREO C	F WIND	SPEED	(KTS)	ND DIREC	TION	ERSUS S	EA HEIG	HTS (FT)			
	1-3	4-10	11-21	5	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT	
HGT		.0	.0	22-33	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
<1	.0										.0	.0	.0		.0	
3-4	.0	.0	.0	.0	.0	.0	.0		.0	.0	.2	.0	.0	.0	.2	
											.0	.0	.0	.0	.0	
5-6	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
TOT PET	.0	.0	.0	.0	.0	.0	.0		.0	.0	.2	.0	.0	.0	.2	
141 741			.0		•0		•.0		.0	••				••		
				W								NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.0	.0	.0	.0	.0	.0	.0		.0	.2	.0	.0	.0	.0	. 2	
1-2	.0	.0	.0	.0	.0	.0	.0		.4	.0	.0	.0	.0	.0	.4	
3-4	.0	.0	.0	.0	.0	.0	.0		.0	• 2	.0	.0	.0	.0	.2	
5-6	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	•0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	.0	.0	.0	.0	.0	.0		.4	.4	.0	.0	.0	.0	.7	99.6

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	1.6	2.7	.4	.0	.0	.0	4.7	003
1-2	3.1	20.9	9.6	.0	.0	.0	33.6	
3-4	• 2	12.3	22.5	1.3	.0	.0	36.3	
5-6	.0	1.8	13.6	1.5	.0	.0	16.9	
7	.0	.0	4.2	.9	.0	.0	5.1	
8-9	.0	.0	1.5	1.3	.2	.0	2.9	
10-11	.0	.0	.0	.4	.0	.0	.4	
12	. 0	.0	.2	.0	.0	.0	.2	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								551
TOT PCT	4.0	37.7	51.9	5.3	- 2	.0	100.0	

PERIOD: (OVER-ALL) 1949-1973 TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIDD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN
<6	1.9	10.9	17.2	10.0	2.6	.5	.3	•0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	340	3
6-7	.0	.6	6.2	7.5	4.9	1.6	.4	•1	.0	.0	.0	•0	•0	.0	.0	.0	.0	.0	.0	165	5
8-9	.0	.1	2.2	3.1	1.6	1.4	. 8	.5	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	80	6
10-11	.0	.0	1.0	1.6	1.0	.9	. 8	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	44	7
12-13	.0	.0	.4	.6	.1	.4	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	13	6
>13	.0	.0	.0	• 0	.1	. 3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	8
INDET	.4	3.8	5 . 6	3.0	2.7	.1	. 9	•0	• 0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	127	4
TOTAL	18	119	252	204	101	40	24	9	5	0	0	0	0	0	0	0	0	0	0	772	4
PCT	2.3	15.4	32.6	26.4	13.1	5.2	3.1	1.2	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1910-1973 (OVER-ALL) 1854-1973

TABLE 1

AREA 0007 CAPE VERDE ISLANDS 15.5N 23.9W

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

			Р	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
WHD DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HATL	PCPN AT DB TIME	PCPN PAST	THOR	FOG WU PCPN	FOG WO PCPN PAST HR	SMOKE		
N NE	:0	•7	:0	:0	.0	.0	.0	1:7	.5	:0	6.1	.0	2.1	:0	91.7
E SE	1.3	.0	1.1	.0	.0	.0	.0	3.0	1.2	.0	2.4	.0	2.0	.0	88.7
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	28.6	.0	.0	.0	71.4
W	.0	.0	.0	٥.	.0	.0	.0	.0	.0	.0	7.4	.0	.0	.0	92.6
VAR CALM	.0	14.3	.0	.0	.0	.0	.0	14.3	.0	.0	.0	.0	.0	:0	85.7
TOT PCT	.8	.5	.4	.0	.0	•0	.0	1.7	.1	.3	4.3	.0	1.9	.2	91.4

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	NO SIG WEA
00£03 06£09 12£15	1.6	1.1	.8	.0	.0	•0	.0	3.4 1.7	.0	.8	4.5 5.3 2.2	.0	1.2	.0	93.1 89.9 91.2
18621	.7	.5	.0	.0	.0	• 0	•0	1.2	.5	.0	5.1	•0	1.5	.0	91.7
TOT PCT	1486	.5	.5	.0	.0	•0	•0	1.7	•1	.3	4.3	•0	1.9	.2	91.5

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HUUR

				ED (KN									HOUR	(GMT)			
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	DBS	FREQ	SPD	00	03	06	09	12	15	18	21
N NE	1.5	3.3	38.0	7:0	:1	.0		8.8	11.5	10.1		8.6	9.0	10.5	7.2	9.3	8.5
E	.6	6.2	11.2	2.8	.1	.0		20.8	14.0	14.4	28.1	22.5	21.2	12.5	26.7	18.7	21.9
SE	.2	1.1	.6	.1	.0	.0		2.1	9.6	.7	3.4	2.5	1.7	1.1	3.0	1.5	2.6
S	.1	. 2			.0	.0		.4	5.7	.0	.6	.5	.5	.0	.3	.4	.5
SW	.1	.1			.0	.0		.3	6.8	.0	.4	.5	.3		.6	.3	.3
W	.2	.1		.0	.0	.0		.4	5.5	.4	.1	.2	. 2	.2	.5	.9	.2
NW	. 2	.3	.1	.0	.0	.0		.6	6.8	.6	.6	.7	.6	1.5	.3	.5	. 2
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.0			••		••		1.0	.0	1.2	1.5	1.3	. 8	.4	1.2	.9	.7
TOT DBS	233	1603	2867	546	10	0	5259		13.3	489	532	952	629	509	509	937	702
TOT PCT	4.4	30.5	54.5	10.4	.2	.0		100.0				100.0					100.0

TABLE 3A

WND DIR	0-6	7-16	SPEED 17-27		41+	TOTAL	PCT	MEAN SPD	00	HDU1 06 09	R (GMT 12 15	
N	1.8	5.4	1.6		.0		8.8	11.5	8.4	8.8	8.8	9.0
NE	5.9	37.1	21.3	1.3	.0		65.7	13.9	65.3	64.2	67.0	66.5
E	2.7	10.4	7.1	.7	.0		20.8	14.0	21.5	22.0	19.6	20.1
E SE	.9	. 8	. 3		.0		2.1	9.6	2.1	2.2	2.1	2.0
S	.3	.1		.0	.0		.4	5.7	.3	.5	.1	.4
SW	. 2	.1		.0	.0		.3	6.8	.2	.4	.3	.3
W	.2	.1	.0		.0		.4	5.5	.2	.2	.4	.6
NW	.3	.3		.0	.0		.6	6.8	.6	.6	.9	.4
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	1.0						1.0	.0	1.4	1.1	. 8	. 8
TOT UBS	699	2853	1601	106	0	5259		13.3	1021	1581	1018	1639
TOT PCT	13.3	54.2	30.4	2.0	.0		100.0		100.0	100.0	100.0	100.0

	E			

PERIOD: (PRIMARY) 1910-1973 (OVER-ALL) 1854-1973

TABLE 4 AREA 0007 CAPE VERDE ISLANDS

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND 11-21	SPEED (KNOTS) 34-47	48+	MEAN	PCT	TOTAL
00603	1.4	4.0	32.3	54.0	8.1	.2	.0	12.8	100.0	1021
90300	1.1	3.5	31.8	52.6	10.9	.1	.0	13.2	100.0	1581
12815	. 8	2.8	29.7	53.9	12.7	.2	.0	13.9	100.0	1018
18621	. 8	3.5	28.6	57.0	9.8	.2	.0	13.4	100.0	1639
TOT	52	181	1603	2867	546	10	0	13.3		5259
PCT	1.0	3.4	30 5	54.5	10.4	. 2	-0		100-0	

P	CT FRE			LOUD A		EIGHTHS)			PERCEN	TAGE F	REQUEN	CY OF	CEILIN NH <5/	G HEIG	HTS (F	T,NH :	>4/8) ON	
MND DIK	0-2	3-4	5-7	8 & DBSCD	TOTAL OBS	MEAN CLOUD COVER	090 149	150 299	300 599	600	1000	2000 3499	3500 4999	5000 6499			NH <5/8	
N NE	3.5	1.7	3.6	8.3		3.8	.0	.0	.0	2.5	1.0	4.2	1.9	:17	.2	1.5	54.9	
E SE	6.1	2.5	4.8	1.3		3.5	.0	.1	.0	.0	1.5	1.0	.0	.1	.0	.0	11.6	
S	.0	.0	.0	.0		3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NW	.2	.0	.2	.1		2.4	.0	.0	.0	.0	.0	• 2	.0	.0	.0	.0	.7	
VAR	.0	.0	.0	.0		4.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT OBS	36.6	213	31.5	108	100.0	3.8	.0	.2	.8	3.4	8.2	5.7	2.5	.9	.5	1.6	768 76.3	100.0

TABLE 7

UMULATIVE PCT	FREQ OF SIMUL	TANEDUS DO	CURRENCE
	EIGHT (NH >4/8		

					VSBY (NE	1)			
CI	EILING	= OR	· OR	- DR	- DR	= ng	 OR 	- DR	= DR
	FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
	>6500	1.3	2.1	2.1	2.1	2.1	2.1	2.1	2.1
OR	>5000	2.1	3.0	3.0	3.0	3.0	3.0	3.0	3.0
OR	>3500	4.0	5.2	5.3	5.3	5.3	5,3	5.3	5.3
DR	>2000	9.3	10.8	10.9	10.9	10.9	10.9	10.9	10.9
OR	>1000	15.6	18.9	19.1	19.1	19.1	19.1	19.1	19.1
OR	>600	18.5	22.3	22.5	22.5	22.5	22.5	22.5	22.5
OR	>300	19.1	23.1	23.3	23.3	23.3	23.3	23.3	23.3
OR	>150	19.2	23.3	23.4	23.4	23.4	23.4	23.4	23.4
DR	> 0	19.2	23.3	23.4	23.4	23.4	23.4	23.4	23.4
	TOTAL	195	236	238	238	238	238	238	238
To	TAL NUMB	ED DE 08	5: 101			CT FOED	NH <5/8:	76.6	

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 DBSCD DBS 20.5 15.4 18.4 11.4 10.2 6.1 6.9 5.7 5.6 .0 1073

PERIOD: (PRIMARY) 1910-1973 (OVER-ALL) 1854-1973

TABLE 8

AREA 0007 CAPE VERDE ISLANDS 15.5N 23.9W

		P	ERCENT	PREC	DF WIND	DIRECT ON WIT	TION V	S DCC	ALUES O	F VIS	IBILI	CURRENC	E OF
VSBY (NM)		N	NE	E	SE	5	SW	4	NW	VAR	CALM	PCT	TOTAL
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
(1/2	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	PCP	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1	
1/2<1	NO PCP	.6	1.8	1.3	.1	.1	.0	*	.4	.0	.0	4.2	
	TOT %	.6	1.8	1.4	.1	. 1	.0		.4	.0	.0	4.4	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<2	NO PCP		.2	.0	.0	.0	.0	.0	.0	.0	.0	.3	
	TOT %		.2	.0	.0	.0	.0	.0	.0	.0	.0	.3	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<5	NO PCP	.0	1.0	.2	.0	.0	.0	.0	.0	.0	.0	1.2	
	TOT %	.0	1.0	.2	.0	.0	.0	.0	.0	.0	.0	1.2	
	PCP	.1	.8	.3	.1	.0	.0	.0	.0	.0	.0	1.3	
<10	NO PCP	2.4	16.9	6.1	.5	.2	.0	.1		.0	.1	26.3	
	TOT %	2.5	17.8	6.4	.5	. 2	.0	.1		.0	.1	27.6	
	PCP	.0	.1	.1	.0	.0	.0	.0	.0	.0	.1	.3	
10+	NO PCP	6.3	47.9	9.9	. 8	.0	.2	.3	. 5	.0	.3	66.3	
	TOT %	6.3	48.0	10.0	. 8	.0	.2	.3	.6	.0	.4	66.6	
	TOT OBS												1460
	TUT PCT	9.5	68.8	18.0	1.5	.2	. 2	.5	1.0	.0	.5	100.0	

VSBY (NM)	SPD KTS	N	NE	Ε	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL
· Idini	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	003
<1/2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	*		.0	.0	.0	.0	.0	.0		.1	
	TOT %	.0	*	*	.0	.0	.0	.0	.0	.0	.0	.1	
	0-3		.0	.0	.0	.0	.0	.0	.0	.0	.0		
1/2<1	4-10	.3	.2	.1	*	*	.0	*	.2	.0		. 8	
	11-21	.1	.4	.4	.1	.0	.0	.0	*	.0		1.0	
	22+	.0	.3	.2	.0	.0	.0	.0	.0	.0		.5	
	TOT %	.3	.9	.7	•1		.0		.2	.0	.0	2.3	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	4-10		.1	. 1	.0	.0	.0	.0	.0	.0		.2	
	11-21	.0	.3	.3	.0	.0	.0	.0	.0	.0		.6	
	22+	*	.1	.0	.0	.0	.0	.0	.0	.0		.1	
	TOT %	.1	.5	.3	.0	•0	.0	.0	.0	.0	.0	.9	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	4-10	.1	.3	.2	.0	.0	.0	.0	.0	.0		.6	
	11-21	.2	1.4	.5	.0	.0	.0		*	.0		2.1	
	22+ TOT %	.0	2.2	.1	.0	.0	.0	.0	.0	.0		.6	
	101 %	• 2			.0	•0	.0	•	•	.0	.0	3.2	
5<10	0-3	.8	4:3	1:7	:1	.0	.0	:0	:	.0	.1	6	
3410	11-21	1.4	9.2	2.7		.1	.0	• 1		.0		7.2	
	22+		2.0		*	.0	.0	.0	*	.0		13.4	
	TOT \$	2.3	15.8	5.3	.0	.0	.0	.0	.0	.0		2.8	
	101 *	2.5	15.0	3.3	••	.1	.0	.1	.1	.0	.1	24.0	
	0-3	.4	8	4	.1	.1	.1	.1	.2	.0	.7	2.9	
10+	4-10	2.7	16.0	3.9	.5	.1	.1	.1	. 2	.0		23.5	
	11-21	3.4	28.5	5.5	• 1	.0		.0	.1	.0		37.6	
	22+	.3	4.1	1.0	.0	.0	.0	.0	.0	.0	_	5.4	
	TOT %	6.8	49.4	10.8	•7	.1	.3	.2	.5	.0	.7	69.4	
	OT OBS	-											2905
T	OT PCT	9.7	68.9	18.0	1.1	.3	.3	.3	. 8	.0	.7	100.0	

PERIDD:	(PRIMARY)	1910-1973
	(DUEP-ALL)	1854-1972

TABLE 10

AREA 0007 CAPE VERDE ISLANDS 15.5N 23.9W

PERCENT FREQUENCY OF CELLING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000	150 299	300 599	600	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL	
00603	.0	.4	.0	4.7	6.3	2.8	.8	.4	.4	2.4	18.2	81.8	253	
06609	.0	.0	.9	3.4	7.7	4.3	2.6	1.7	.4	1.3	22.2	77.8	234	
12615	.0	.3	.3	3.3	8.4	7.0	4.0	.3	.3	1.3	25.4	74.6	299	
18821	.0	.0	1.9	1.5	9.0	7.1	1.9	1.1	. 8	1.1	24.4	75.6	266	
TOT	.0	.2	.8	3.2	83 7.9	5.4	2.4	.9	.5	16	239	813 77.3	1052	

TABLE 11

TABLE 12

		PERCENT	FREQUEN	CY VSBY	(NM)	BY HOUR		CUMULAT					VSBY (NM)	
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL
00603	.0	2.6	.8	3.1	23.1	70.4	615	00603	.0	.4	6.6	13.2	80.2	242
90300	.2	2.6	.7	2.4	25.4	68.6	831	90360	.0	.9	4.4	18.5	77.1	227
12615	•0	1.1	.8	3.5	21.3	73.2	620	12615	.0	.7	6 . 2	21.3	72.5	291
18621	.0	2.8	1.3	3.8	26.4	65.7	864	18621	.0	2.0	4.7	22.0	73.3	255
TOT	2	69	27	94	713	2025	2930	TOT	0	10	56	192	767	1015

TABLE 13

	PERC	ENT FR	EQUENC	Y OF R	ELATIV	E HUMI	DITY B	Y TEMP		
						_			TOTAL	PCT
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	085	FREW
85/89	.0	.0	.0	.0	.1	.0	.0	.0	1	.1
80/84	.0	.0	.0	. 2	. 8	1.7	. 8	.1	39	3.7
75/79	.0	.0	.1	.6	7.3	21.6	9.9	2.5	444	41.9
70/74	.0	.0	.0	2.5	13.1	22.3	10.1	4.3	554	52.3
65/69	.0	.0	.0	.3	.6	.7	.4	.1	21	2.0
TOTAL	0	0	1	37	232	490	225	74	1059	100.0
PCT	.0	.0	.1	3,5	21.9	46.3	21.2	7.0		

TABLE 14

	PERC	ENT FR	EQUENCY	OF WI	ND DIE	RECTION	BY T	EMP	
N	NE	E	SE	s	SW		NW	VAR	CALM
.0	.1	.0	.0	.0	.0	.0	.0	.0	.0
. 4	2.7	.4	.0	.0	.1	.0	. 1	.0	.0
4.4	31.1	5.2	.7	.0	.0	.1	. 3	.0	.1
4.5	37.9	8.5	.7	.0	.1	.3	.1	.0	.2
.1	1.2	.5	.1	.0	.0	.0	.0	.0	.1
9.5	73.0	14.5	1.5	.0	.2	4	.5	.0	.4

TABLE 15

	MEANS,	EXTREMES	AND	PERCEN	TILES	OF TEMP	(DEC	F) B	Y HOUR
HOUR (GMT)	MAX	99%	95%	50%	5%	12	MIN	MEAN	TOTAL
00603	82	78	77	73	70	68	67	73.2	1014
06609	82	78	77	73	69	68	66	73.1	1573
12615	88	84	81	76	72	69	67	75.8	975
18621	87	82	80	75	71	69	67	74.7	1601
101	88	82	79	74	70	68	66	74.1	5163

	PERC	ENT FRE	QUENCY	OF RELA	TIVE H	UMIDITY	BY HOUR	
HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
60300	.0	2.0	19.8	45.2	24.2	8.7	77	252
90300	.0	2.0	19.1	39.4	28.7	10.8	77	251
12615	.0	6.2	26.7	48.6	13.7	4.8	73	292
18621	.0	3.7	22.0	50.2	19.4	4.8	75	273
TOT	0	38	236	492	226	76	75	1068

PERIOD: (PRIMARY) 1910-1973 (OVER-ALL) 1854-1973

TABLE 17

AREA 0007 CAPE VERDE ISLANDS

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA	65	69	73	77	81	65	TOT	W	WD
THP DIF	68	72	76	80	84	88		FOG	FOG
11/13	.0	.0	.0	.0	.0	.1	1	.0	.1
9/10	.0	.0	.0	.0	. 1	.0	2	.0	.1
7/8	.0	.0	.1	. 1	.1	.0	5	.1	.3
	.0	.0	.1	.1	.1	.0	1 2 5 3 6	.0	.2
5	.0	.0	.1	.1	. 1	.0	6	.0	.4
5 4 3	.0	.0	.3	.6	.4	.0	17	.1	1.1
3	.0	.3	.6	1.0	. 4	.0	30	.0	2.2
	.0	.0	1.5	1.7	.7	.0	53	.2	3.7
1	.0	.4	3.5	3.1	.0	.0	96	.3	6.8
2 1 0	.0	.9	9.0	4.1	.2	.0	193	.7	13.6
-1	.1	2.6	13.3	2.3	.1	.0	249	1.1	17.3
-2	.1	5.5	13.1	1.9	.0	.0	278	1.3	19.3
-3	• 1	6.4	8.1	1.1	.0	.0	214	.7	15.1
-4	.0	3.3	4.7	.3	.0	.0	113	.2	8.1
-5	.1	2.1	1.5	.3	.0	.0	54	.0	4.0
-6	. 1	1.0	.2	.0	.0	.0	18	.0	1.3
-7/-8	. 1	.7	.6	.0	.0	.0	18	.0	1.3
-9/-10	.0	.2	.1	.0	.0	.0	4	.0	.3
-11/-13	.1	.0	.0	.0	.0	.0	1	.0	.1
TOTAL	9		772		31			63	1292
		316		226		1	1355		
Det	. 7	23.3	57.D	16.7	2.3	1	100-0	4.6	95.4

PERIOD: (OVER-ALL) 1963-1973

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT) HGT
<1
1-2
3-4
5-6
7
8-9
10-11
12
13-16
17-19
20-22
23-25
26-32
33-40
41-48
49-60
61-70
71-86
87
TOT PCT 1-3 1-3 48+ HGT
<1
1-2
3-4
5-6
7
8-9
10-11
12
13-16
17-19
20-22
23-25
26-32
33-40
41-48
49-60
61-70
71-86
TOT PCT 1-3 11-21 .0 1.3 3.4 2.3 .9 .2 .2 .0 .0 .0 .0 .0 .0 .0 48+ 1-3 48+

PCT FRED OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT

				PC	T FREQ	OF WIND	SPFED	(KTS)	AND DIREC	TION	LERSUS S	FA HEIG	HTS (FT)			
				s								SW				
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
1-2	.0	.0	.0	.0	.0	.0	.0		.0	.2	.0	.0	.0	.0	.2	
3-4	.0	.0	.0	.0	.0	.0	.0		.0	.1	.0	.0	.0	.0	.1	
5-6	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0		.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	.0	.0	.0	.0	.0	.0		.0	.3	.0	.0	.0	.0	.3	
101 101	•0			.0	•0	.0	.0		.0	.,	•0	.0	.0	•0	.,	
				W								NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.2	.0	.0	.0	.0	.0	.2		.2	.0	.0	.0	.0	.0	.2	
1-2	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0		
3-4	.0	.3	.0	.0	.0	.0	.3		.0	.2	.0	.0	.0	.0	.2	
5-6	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0									
8-9	.0								.0	.0	.0	.0	.0	.0	.0	
10-11		.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0000		.0	.0	.0	.0	.0	.0	.0	
13-16 17-19 20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
13-16 17-19 20-22 23-25	.0	.0	.0	.0	.00.00	.0	.0.0.0		.0	.0	.0	.0	.0	.0	.0	
13-16 17-19 20-22 23-25 26-32	.0	.0	.0	.0	.00000000000000000000000000000000000000	.0	000000000000000000000000000000000000000		.0	.0	.0	.0	.0	.0	.0	
13-16 17-19 20-22 23-25 26-32 33-40	.0	.0	.0	.0	.0	.0	000000000		.0	.0	.0	.0	.0	.0	.0	
13-16 17-19 20-22 23-25 26-32 33-40 41-48	.0	.0	.0	.0	.0	.0	.00.00.00.00		.0	.00	.0	.0	.0	.0	.0	
13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60	.0	.0	.0	.0	.0	.0	000000000000000000000000000000000000000		.0	.0	.0	.0	.0	.0	.0	
13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60 61-70	.0	.0	.0	.0	.0	.0	0000000000000		.0	.0	.0	.0	.0	.0	.0	
13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60 61-70 71-86	.0	.00.00	.0	.0	.0	.0	000000000000000		.0	.0	.00000000000000000000000000000000000000	.0	.0	.0	.0	
13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60 61-70	.0	.0	.0	.0	.0	.0	0000000000000		.0	.0	.0	.0	.0	.0	.0	99.3

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	2.1	2.9	.0	.0	.0	.0	5.0	
1-2	.2	13.2	5.5	.0	.0	.0	18.9	
3-4	.0	10.5	23.4	1.2	.0	.0	35.1	
5-6	•0	1.4	22.7	1.9	.0	.0	25.9	
7	.0	.0	7.4	2.9	.0	.0	10.3	
8-9	.0	.0	1.2	1.5	.0	.0	2.7	
10-11	•0	.0	.7	.9	.0	.0	1.5	
12	.0	.0	.0	.2	.0	.0	.2	
13-16	.0	.0	.0	.3	.0	.0	.3	
17-19	• 0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	•0	.0	.0	.0	.0	.0	.0	
33-40	•0	.0	.0	.0	.0	.0	.0	
41-48	•0	.0	.0	.0	.0	.0	.0	
49-60	•0	.0	.0	.0	.0	.0	.0	
61-70	•0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	•0	.0	.0	.0	.0	.0	.0	
								582
TOT PCT	2.2	28.0	60.8	8.9	.0	.0	100.0	

TOT PCT 2.2 28.0 60.8 8.9 .0 .0 100.0

PERIOD: (OVER-ALL) 1949-1973 TABLE 15

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

RIOD <1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 41EC)

(SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	HEAN
<6	1.2	6.7	15.6	10.7	2.7	.6	.2	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	320	4
6-7	.0	1.0	6.8	3.8	7.9	2.6	1.4	•0	• 2	•0	•0	•0	.0	.0	•0	.0	•0	.0	.0	237	6
10-11	.0	.4	.7	.6	.8	.8	.2	.2	.0	:0	.0	.0	.0	.0	.0	.0	.0	.0	.0	32	6
12-13	.0	.0	.4	.5	.7	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	14	6
>13	.0	.0	.0	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	6
INDET	2.4	1.3	4.2	3.2	1.5	1.4	.4	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	121	4
TOTAL	30	81	242	231	150	65	30	5	5	1	0	0	0	0	0	0	0	0	0	840	5
PCT	3.6	9.6	28.8	27.5	17.9	7.7	3.6	•6	.6	.1	.0	.0	.0	.0	•0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1892-1973 (OVER-ALL) 1854-1973

TABLE 1

AREA 0007 CAPE VERDE ISLANDS 15.5N 23.9W

DEDCENT	PRESIDENCY	DE UEATHED	DECURRENCE	OV HIND	DIRECTION

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	NO SIG WEA
N	:4	.3	.3	.0	.0	.0		1.0	.5	.3	4.4	.0	2.8	.6	90.4
NE		.5	.2	.0	.0	.0		1.0	.3	.4	4.4		2.6		90.8
E	. 8	1.2	.3	.0	.0	.0	.1	2.5	.6	1.3	8.9	.0	2.1	.2	84.5
SE	3.5	1.3	1.5	.0	.0	• 0	.0	5.3	1.2	. 8	4.2	.0	.9	.4	87.5
S	1.1	2.8	.0	.0	.0	• 0	.0	3.9	.0	1.6	2.7	.0	1.5	.0	83.0
SW	1.4	3.2	.9	.0	.0	•0	.0	5.4	.3	.9	4.7	.0	.5	.0	88.5
W	4.0	2.2	.2	.0	.0	.0	.0	6.2	.2	.9	7.7	.0	.5	.0	85.2
NW	1.3	.6	.0	.0	.0	•0	.0	1.8	.6	. 9	6.2	.0	3.2	.8	86.6
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	1.2	.0	.0	.0	.0	.0	1.2	.0	1.5	.0	.0	2.0	1.1	94.1
TOT PCT	17788	.7	.3	.0	.0	•0		1.5	.5	.6	4.8	•0	2.6	.4	89.6

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

				RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT	PCPN PAST HOUR	THDR L TNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	
00603 06609 12615 18621	1:0	1.2	.3 .4 .2 .2	.0	.0	•0	.0	1.2 2.6 1.1 1.3	.5 .5 .4 .5	.9 .9 .1	3.3 5.8 3.8 6.3	.0	2.2 1.7 3.7 3.0	.4 .2 .6	91.6 88.5 90.5 87.9
TOT PCT	18223	.7	.3	.0	.0	•0		1.6	.5	.6	4.9	.0	2.6	.4	89.5

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		WI	ND SPE	ED (KN	OTS)								HOUR	(GHT)			
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	FREQ	SPD	00	03	06	09	12	15	16	21
N NE	1.5	7.9	8.6	4.6	.1	.0		18.4	11.5	23.0	12.2	18.7	19.2	26.4	14.5	18.9	16.0
E	.7	5.9	7.1	1.5	.1			15.2	12.7	9.0	21.6	15.3	15.7	7.4	19.3	13.7	17.8
SE	.3	1.2	.6	.1		.0		2.1	9.7	1.4	3.3	2.1	2.0	1.3	2.4	1.8	2.3
S	.2	.4	.1			.0		. 8	7.1	1.1	.9	.9	. 8	.8	.6	.7	.6
SW	.2	.4	.1		.0	.0		.7	7.0	.8	.8	.8	.6	.6	.5	.7	.7
W	.2	.4	.1		.0	.0		.7	6.1	.7	.6	.8	.6	.9	.6	.7	.7
NW	.3	1.2	.5			.0		2.0	8.3	2.6	1.3	2.4	2.0	2.6	1.5	1.9	1.8
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.4							1.4	.0	1.4	1.7	1.9	1.1	1.2	1.0	1.1	1.3
TOT OBS							67799		12.2	5774	7137	12613	8537	5876	6753	11938	9171
TOT PCT	5.5	38.4	48.8	7.2	.2			100.0		100.0	100.0	100.0		100.0	100.0	100.0	100.0

TABLE 3A

		WIND	SPEED	(KNOTS)						HOUR	(GMT)	
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL	PCT	MEAN	00	06	12	18	
						DAS	FREQ	SPD	03	09	15	21	
N NE	3.5	11.1	3.7	.1	.0		18.4	11.5	17.0	18.9	20.0	17.6	
NE	7.3	34.8	15.8	:1			58.8	12.8	58.7	57.5	59.4	59.7	
E	2.8	7.9	4.2	.4			15.2	12.7	15.9	15.5	13.7	15.5	
E SE	. 8	.9	.3				2.1	9.7	2.5	2.0	1.9	2.0	
5	.4	.3	.1				.8	7.1	.9	.9	.7	.7	
SW	.4	. 2	.1		.0		.7	7.0	.8	.7	.5	.7	
W	.4	.2			.0		.7	6.1	.7	.7	.7	• 7	
NW	:4	1.0	.2		.0		2.0	8.3	1.9	2.2	2.0	1.8	
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	
CALM	1.4				-		1.4	.0	1.6	1.6	1.1	1.2	
TOT OBS						6 799	-	12.2	12911	21150	12629	21109	
TOT PCT	17.8	56.5	24.3	1.4			100.0		100.0	100.0		100.0	

PERIOD: (PRIMARY) 1892-1973 (OVER-ALL) 1854-1973

TABLE 4

AREA 0007 CAPE VERDE ISLANDS 15.5N 23.9W

PERCENTAGE	FREQUENCY	OF	WIND	SPEED	BY	HOUR	(GMT)	

HOUR	CALM	1-3	4-10		SPEED (KNOTS) 34-47	48+	MEAN	PCT	TOTAL
00603	1.6	4.3	40.6	47.0	6.3	.2	.0	11.3	100.0	12911
90360	1.6	4.4	41.3	46.2	6.4	.2	.0	11.7	100.0	21150
12615	1.1	3.6	35.9	51.0	8.1	.3		12.7	100.0	12629
18621	1.2	4.0	35.5	51.1	8.0	.3		12.6	100.0	21109
TOT								12.2		67799
PCT	1.4	4.1	38.4	48.8	7.2	.2			100.0	

TABLE 5

TABLE 6

P	CT FRE			LUUD A		EIGHTHS)							CEILIN NH <5/					
WND DIR	0-2	3-4	5-7	06500	TOTAL	COVER	000	150 299	300 599	600 999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8	TOTAL
N	8.4	5.1	6.9	3.1		3.8			.2	1.1	2.8	1.5	.8	.2	.1	.2	16.6	
NE	22.3	13.3	17.9	7.4		3.9	.1	• 1	.4	2.6	6.7	3.8	2.0	.7	. 3	.5	43.9	
Ε	3.1	1.8	2.5	1.1		3.8	.0	*	.1	.5	1.0	.5	. 2	.1			6.1	
SE	.4	.3	.4	.3		4.0			*	.1	.2	.1					.9	
S	.3	. 2	.3	.1		2.6	.0	.0	*		.1					*	.7	
SW	.2	.1	.2	.1		3.5	.0	.0	*	.1	.1			.0			.4	
	.2	.1	.3	. 1		2.7	.0	.0			.1					.0	.4	
NW	.7	.6	.8	.4		3.7	.0			.1	.4	.2	.1				1.7	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.5	.2	.2	.2		2.7	.0	.0			.1	.1		.0			.9	
TOT OBS		1 1105			11448	3.8												11448
TOT PCT	36.2	21.7	29.5	12.7	100.0		.1	.1	.6	4.4	11.4	6.1	3.2	1.1	.5	. 8	71.5	100.0

TABLE 7

CUM	ULATIVE !	CI PKER	Dr 21WA	LIANFU	3 UCCOKK	ENCE
0	FCEILING	HEIGHT	(NH >4/	8) AND	VSBY (NM)
			VSBY (NM)		
* na	- OR	- OR	- DR	= nR	- DR	. 0
>10	>5	>2	>1	>1/2	>1/4	>50Y
	a na	OF CEILING	OF CEILING HEIGHT	OF CEILING HEIGHT (NH >4/ VSBY (NM OR OR OR OR OR	OF CEILING HEIGHT (NH >4/8) AND VSBY (NM) OR OR OR OR OR OR	* OR * OR * OR * OR * OR

				VSBY (NM)			
CEILING	* na	- OR	- OR	- DR	= nR	- DR	- DR	= DR
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
- DR >6500	.9	1.3	1.3	1.3	1.3	1.3	1.3	1.3
■ OR >5000	1.8	2.4	2.5	2.5	2.5	2.5	2.5	2.5
■ DR >3500	4.4	5.5	5.7	5.7	5.7	5.7	5.7	5.7
■ DR >2000	9.4	11.6	11.8	11.8	11.8	11.8	11.8	11.8
■ DR >1000	18.5	22.8	23.1	23.1	23.1	23.1	23.1	23.1
■ DR >600	22.0	27.2	27.5	27.5	27.6	27.6	27.6	27.6
■ OR >300	22.4	27.8	28.1	28.2	28.2	28.2	28.2	28.2
■ DR >150	22.4	27.9	28.3	28.3	28.3	28.3	28.3	28.3
- OR > 0	22.5	27.9	28.4	28.4	28.4	28.4	28.4	28.4

TUTAL NUMBER OF OBS: 11616 PCT FREQ NH <5/8: 71.6

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 0BSC0 0BS 17.8 15.2 15.1 13.3 9.8 6.8 7.1 6.4 8.5 * 12301

PERIOD: (PRIMARY) 1892-1973 (OVER-ALL) 1854-1973

TABLE 8

AREA 0007 CAPE VERDE ISLANDS 15.5N 23.9W

0

													-
		,	ERCENT	PREC	OF WIND	DIRECT	TION V	ING V	ALUES I	F DR N	IBILI	URRENC	E OF
VSBY		N	NE	F	SE	s	SW	w	NW	VAR	CALM	PCT	TOTAL
(MM)	PCP												OBS
<1/2	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
11/2	TOT &				.0	.0	.0	.0		.0	.0		
	PCP					.0	.0			.0	.0	.1	
1/2<1		.7	2.2	1.0	. 1				.1	.0	.0	4.2	
	TOT %	.7	2.3	1.0	:1		*	:	.1	.0	.0	4.3	
	PCP		.0			.0	.0	.0		.0	.0		
1<2	NO PCP	.1	.5	. 1		.0	.0	.0		.0	.0	.8	
	TOT %	.1	.5	:1		.0	.0	.0		.0	.0	.8	
	PCP							.0		.0	.0	.1	
2<5	NO PCP	.2	.6	.1	*		*	.0	.1	.0	.0	1.0	
	TOT %	.2	.6	.1		*		•0	• 1	.0	•0	1.0	
	PCP	.1	.4	.2	.1		. 1	.2		.0	.0		
5<10	NO PCP	6.6	17.7	4.8	.6	.3	.2	. 2	.7	.0	.2		
	TOT %	6.7	18.1	5.0	.7	.3	.3	.3	.7	.0	• 2	32.3	
	PCP	.1	.2	.1			*	*		.0		.4	
10+	NO PCP	13.9	37.9	5.3	. 8	.5	.4	.4	1.5	.0	.6	61.3	
	TOT &	14.0	38.1	5.3	. 8	.5	.4	.4	1.5	.0	.6	61.6	
	TOT OBS						-						17778
	TOT PCT	21.7	59.6	11.6	1.7	. 8	.7	. 7	2.4	.0	. 8	100.0	

VSBY	SPD	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL
(NM)	KTS			-	36	3	34			***	CALI	,,,,	DBS
	0-3				.0	.0	.0	.0	.0	.0	.0	*	
<1/2	4-10	*	*	*	*	.0	.0	.0	*	.0		*	
	11-21			.0	.0	.0	.0	.0	.0	.0		*	
	22+	.0	*		.0	.0	.0	.0	.0	.0		*	
	TOT \$				*	.0	.0	.0	*	.0	.0	*	
	0-3				*				*	.0	*	.1	
1/2<1	4-10	.2	.3	.1	*	*		*	*	.0		.7	
	11-21	.1	.7	.3			.0	*		.0		1.2	
	22+		.2	.1	.0	.0	.0	.0	*	.0		.2	
	TOT %	.4	1.2	.5	. 1			*	. 1	.0	*	2.3	
	0-3				.0	.0			*	.0	*	*	
1<2	4-10	*	.1		*	.0	*		*	.0		.2	
	11-21	.1	.2	.1	.0	.0	.0	.0	*	.0		.4	
	22+	*	.1		*	.0	.0	.0	*	.0		.1	
	TOT %	.1	.5	.1		.0		*		.0	*	.7	
	0-3							*		.0		.2	
2<5	4-10	.2	.5	.1	*	*	*	*	*	.0		1.0	
	11-21	.2	. 8	.1	*	*	*	*	*	.0		1.3	
	22+		.2	.1		*	*	.0		.0		.3	
	TOT %	.5	1.6	.3	.1		*	*	.1	.0	*	2.7	
	0-3	.3	.4	.2	.1	.1	.1		.1	.0	.3	1.4	
5<10		2.3	5.6	1.7	.3	.1	.1	.1	. 4	.0		10.6	
	11-21	3.0	8.8	1.7	.1	*	.1		. 2	.0		14.0	
	22+	.4	1.3	.3	*		*		*	.0		2.0	
	TOT %	5.9	16.1	3.9	.6	. 2	• 2	.2	.6	.0	.3	28.0	
	0-3	.6	1.0	.4	.2	.1	.1	.1	.2	.0	.8	3.4	
10+	4-10	6.3	15.7	3.4	.6	.3	.2	.3	1.0	.0		27.9	
	11-21	6.7	21.8	2.6	.2	.1	.1	.1	. 4	.0		31.8	
	22+	.5	2.3	.3		*				.0		3.2	
	TOT \$	14.1	40.7	6.7	1.0	.5	.4	.5	1.6	.0	.8	66.3	
	TOT OBS												35166
	TOT PCT	21.0	60.0	11.6	1.7	. 8	.7	.7	2.4	.0	1 1	100.0	

PER100:	(PRIMARY)	

TABLE 10

AREA 0007 CAPE VERDE ISLANDS 15.5N 23.9W

PERCENT	FREQUENCY	OF CE	ILING	HEIGHTS	(FEET, NH	>4/81	AND
-	OCCLID	DENCE	DE NU	/E/9 64	MINITE		

HOUR (GMT)	149	150	300 599	999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL	
00403	.2	.1	.6	4.5	10.2	4.4	2.5	1.2	.4	.7	24.7	75.3	2957	
90330	.1	.2	.7	4.8	12.3	6.7	3.3	1.5	.7	.6	30.8	69.2	2860	
12615	.1		.6	4.2	10.7	7.0	4.0	.9	.6	.9	29.1	70.9	3210	
18621	•	.2	.6	3.8	10.6	5.4	2.5	1.1	.4	.9	25.4	74.6	3028	
TOT		.1	.6	4.1	10.9	5.9	3.1	1.1	.5	. 8	27.5	72.5	12055	

TABLE 11

TABLE 12

		PERCENT	FREQUEN	CY VSBY	(NM)	BY HOUR		CUMULAT	IVE PCT	FREQ G HGT	OF RAN	GES OF NH >4/8	VSBY (NM)	AND/OR
HOUR (GMT)	(1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL
00603	.1	1.7	.5	2.3	27.7	67.8	7431	00603	.2	.9	6.4	19.8	73.8	2838
90300	.1	2.7	.8	2.2	30.1	64.2	10339	06609	.1	1.0	6.8	25.8	67.4	2743
12615	.1	1.9	.7	2.8	24.1	70.5	7340	12615	.1	.8	6.4	24.4	69.1	3109
18621		2.7	.9	3.2	29.8	63.4	10496	18821		.8	6.5	21.1	72.4	2926
TOT		2.3	.7	2.6	28.3	66.0	35606 100.0	TOT	.1	.9	6.5	22.8	70.7	11616

				T	ABLE 1	3									TABLE	14				
	PERCI	ENT FR	EQUENC	Y OF R	ELATIV	E HUMI	DITY 8	Y TEMP	TOTAL	PCT		PERC	ENT FR	EQUENCY	OF WI	IND DIE	ECTIO	N BY T	EMP	
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100		FREQ	N	NE	E	SE	S	SW	W	NW	VAR	CALM
90/94	.0	.0	.0			.0	.0	.0						.0	.0	.0	.0		.0	.0
85/89	.0		.0		.3	.4	.1			. 8	.3	.3	.1	*	*	*	*	*	.0	*
80/84	.0	.0			1.5	4.8	4.8	.9		12.2	2.9	6.0	1.3	. 4	. 3	. 2	.2	.6	.0	.3
75/79	.0	-		. 2	3.1	15.6	15.3	4.7		38.9	8.6	23.3	3.6	.7	.4	.3	.4	1.1	.0	.5
70/74	.0	.0	.0	.4	5.7	15.7	14.3	4.7		40.9	10.1	26.5	2.9	.3	. 1	.1	. 1	.7	.0	.2
65/69	.0	.0			. 9	2.7	2.6	. 8		7.2	1.3	5.0	.6				*	. 1	.0	.1
60/64	.0	.0					.0	.0		*	.0	*	.0	.0	.0	.0	.0	.0	.0	.0
TOTAL									12308	100.0										
PCT	.0		• 1	1.0	11.5	39.2	37.1	11.2			23.2	61.2	8.6	1.5	. 8	.6	.7	2.4	.0	1.0

TABLE 16 PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

	MEANS,	EXTREM	ES AND	PERCEN	TILES	OF TE	MP (DE	G F) 8	Y HOUR		PERC	ENT FRE	QUENCY	OF RELA	TIVE H	UMIDITY	BY HOU	R
HOUR (GMT)	MAX	99%	95%	50%	5%	1 %	MIN	MEAN	TOTAL	HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
00603	89	78	77	74	71	69	59	73.7	12844	60300	.0	.5	6.2	33.0	46.2	14.0	81	3113
90300	89	79	77	74	70	69	62	73.8	20954	90300	.0	.6	6.9	30.5	45.2	16.7	81	3152
12615	93	84	81	76	73	71	58	76.7	12039	12815	.0	1.6	19.0	47.0	25.9	6.5	76	3141
18621	92	83	80	75	72	70	59	75.6	20408	18621	.0	1.4	14.0	46.2	30.9	7.5	77	3132
TOT	93	82	80	75	71	69	58	74.9	66245	rar	0	130	1442	4929	4636	1401	79	12538

PERIOD: (PRIMARY) 1892-1973 (OVER-ALL) 1854-1973

TABLE 17

AREA 0007 CAPE VERDE ISLANDS 15.5N 23.9W

PCT FREQ OF AI			DIFFERENCE	OF FOG (WITHOUT E (DEG F)	PRECIPITATION)
AIR-SEA 57 TMP DIF 60	5 69	73 77 76 80	85 89 88 92	TOT W	WO FOG

TMP DIF	60	64	68	72	76	80	84	88	92		FUG	FOG
14/16	.0	.0	.0	.0	.0	:	:	:	.0	3	.0	
11/13	.0	.0	.0	.0	.0				*	16	.0	.1
9/10	.0	.0	.0			.1	.1	.1	*	52	*	.3
7/8	.0	.0	.0		.1	.2	.1	.1		113	*	.7
6	.0	.0	.0		.1	. 2	.2	.1	.0	104	. *	.6
5	.0	.0	.0		.2	.5	.3	.1	*	191	.1	1.1
4	.0	.0	*	.1	.5	.7	.5	.1	.0	342	.1	1.9
3	.0	.0		.2	1.1	.9	.7	.1	.0	512	.2	2.9
2	.0	.0	.0	.5	2.1	1.9	1.3	*	.0	967	. 3	5.5
1	.0	.0	*	1.4	4.1	3.4	1.5	*	.0	1742	.7	9.8
0	.0	.0	.2	4.2	6.7	6.0	1.4	*	.0	3063	1.1	17.4
-1	.0	.0	.5	6.2	7.7	6.9	.7	*	.0	3647	1.2	20.8
-2 -3	*	.0	.7	6.1	5.6	4.0	.2	:	.0	2720	.6	15.9
-3	.0	.0	.7	4.1	2.9	1.8	.1	.0	.0	1563	. 3	9.2
-4	.0	.0	.4	2.0	1.5	.9		.0	.0	777	.1	4.7
-5	.0	.0	.2	1.0	. 8	.5	*	.0	.0	421	*	2.6
-6	.0	.0	. 2	.4	.3	.1		.0	.0	162	*	1.0
-7/-8	.0		.1	.3	.2	.1	*	.0	.0	110	*	.7
-9/-10	.0	*	*	*	*	*	.0	.0	.0	23	.0	.1
-11/-13 TOTAL	.0	•	•	*	.0	.0	•0	.0	.0	16534	.0	•
PCT			2 2	24 4	22.0	28 1	7 2		,	100 0	4 0	05 2

PERIOD: (DVER-ALL) 1963-1973

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

				N							NE			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	.7	.1	.0	•0	.0	1.2	.4	1.3	.1	.0	.0	.0	1.8
1-2	.3	5.0	2.3	.0	•0	.0	7.6	.4	10.3	5.8	.0	.0	.0	16.5
3-4	• 1	2.9	4.9	.3	.0	.0	9.2	.1	6.7	14.1	.6	.0	.0	21.5
5-6	.0	.6	3.7	.3	•0	.0	4.6	.0	1.3	11.3	1.3	*	.0	13.9
7	.0	•1	1.5	.2		.0	1.8	*	.3	4.1	1.4	*	.0	5.8
8-9	.0	.0	.2	.2	.0	.0	.4	.0	*	1.1	.6	*	.0	1.7
10-11	.0	.0		.1	•0	.0	. 1	.0	.0	• 2	.3	.0	.0	.5
12	.0	.0			.0	.0		.0	.0	*	.1	.0	.0	.1
13-16	.0	.0	.0	.0	•0	.0	.0	.0	.0	*	*	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	*	.0	.0	*
23-25	.0	.0	.0	.0	•0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	•0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	•0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	•0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	•0	.0	•0	.0	.0	.0	•0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.7	9.3	12.8	1.1		.0	24.0	.9	19.9	36.6	4.3	.1	.0	61.8
				Ε							SE			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.4	.0	.0	.0	.0	.5	.1	•1	.0	.0	.0	.0	.1
1-2	*1	2.1	1.5	.0	•0	.0	2.8	-1	.4	.0	.0	.0	.0	.5
				.1	.0	.0	2.5	.0	• 2	.1	.0	.0	.0	.3
5-6	.0	.2	1.0	.2	.0	.0	1.4	.0		*		.0	.0	.1
8-9	.0	.0	:1	.2	:	.0	.6	.0	.0		.0		.0	
10-11	.0	.0	.,			.0	.1	.0	•0	.0	*	.0	.0	*
12	.0	.0	.0		.0	.0	.1	.0	•0	.0	.0	.0	.0	.0
13-16	.0	.0	.0		.0	.0		.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	•0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0				.0		•0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	•0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0			.0	.0	•0	.0		.0	.0	•0
41-48	.0	.0	.0	.0	.0	.0	.0	•0	•0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	•0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	•0	0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	3.6	3.5	.5	.0	.0	0	.0	•0	.0	.0	•0	.0	.0
IUI PCI		3.0	3.5			.0	8.0	•2	• 7	.2			.0	1.1

PERIOD: (QVER-ALL) 1963~1973 ANNUAL AREA 0007 CAPE VERDE ISLANDS TABLE 18 (CONT) 15.5N 23.9M

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT 1-3 4-10 11-21 52-33 34-47 48+ PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT 11-3 4-10 11-21 22-33 34-47 48+ PCT 11-3 1-2 12-34 34-47 48+ PCT 11-3 1-2 12-34 34-47 48+ PCT 11-3 11-2 12-34 34-47 48+ PCT 11-34 11-2 1	
\$\begin{array}{cccccccccccccccccccccccccccccccccccc	
1-2 * .3 .0 .0 .0 .0 .3 * .2 * .0 .0 .0 .0 .2 3 3-4 .0 .1 * .0 .0 .0 .0 .2 2 .0 .0 * * .0 .0 .0 .0 .1 1 5-6 .0 * * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	
3-4	
5-6 0 * * * .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	
7	
8-9 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	
12	
12	
13-16	
17-19	
20-22 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
23-25	
26-32	
33-40	
41-48	
49-60 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
61-70 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
71-86 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
87+ .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	
TOT PCT .1 .5 .1 .0 .0 .0 .7 * .3 .1 .0 .0 .0 .5 HGT 1-3 4-10 11-21 22-33 34-47 48+ PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT PCT 41 .1 * .0 .0 .0 .0 .1 .1 .2 .0 .0 .0 .0 .3 .1 .1 .2 .0 .0 .0 .0 .0 .3 .3 .4 .0 .1 .1 * .0 .0 .0 .0 .2 * .4 .4 * .0 .0 .8 .5 .6 .0 * * .0 .0 .0 .1 .0 .1 .1 .1 .0 .0 .0 .2	
HGT 1-3 4-10 11-21 22-33 34-47 48+ PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT PCT 41 .1 * .0 .0 .0 .0 .1 .1 .2 .0 .0 .0 .0 .0 .3 1-2 * .2 * .0 .0 .0 .0 .2 * .1 .7 .2 .0 .0 .0 .0 .0 1.0 3-4 .0 .1 .1 * .0 .0 .2 * .4 .4 * .0 .0 .8 5-6 .0 * * .0 .0 .0 .1 .0 .1 .1 .0 .0 .0 .2	
C1	
C1	
1-2 * .2 * .0 .0 .0 .2 .1 .7 .2 .0 .0 .0 1.0 3-4 .0 .1 .1 * .0 .0 .2 * .4 .4 * .0 .0 .8 5-6 .0 * * .0 .0 .0 .1 .1 .0 .0 .0 .2	
3-4 ·0 ·1 ·1 * ·0 ·0 ·2 * ·4 ·4 * ·0 ·0 ·8 5-6 ·0 * * ·0 ·0 ·0 ·1 ·1 ·0 ·0 ·0 ·2	
5-6 .0 * * .0 .0 .1 .0 .1 .0 .0 .0 .2	
7 .0 * * .0 .0 * * .0 * * .0 .1	
8-9 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .	
10-11 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 *	
12 .0 .0 .0 .0 .0 .0 .0 .0 .0 * .0 .0 *	
13-16 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	
17-19 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	
20-22 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	
23-25 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	
26-32 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	
33-40 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	
41-48 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	
49-60 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	
61-70 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	
71-86 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	
87+ .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	
TOT PCT .1 .4 .1 * .0 .0 .6 .2 1.3 .8 * .0 .0 2.3 98.9	

	WIND	SPEFD	(KTS)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	2.8	2.9	.2	.0	.0	.0	5.9	003
1-2	1.3	19.0	8.8	.0	.0	.0	29.1	
3-4	• 2	11.3	20.9	1.0	.0	.0	33.3	
5-6	•1	2.2	16.0	1.8	*	.0	20.2	
7		. 3	6.1	1.8	.1	.0	8.3	
8-9	• 0		1.4	.8	*	.0	2.3	
10-11	•0	.0	.3	.4	.0	.0	.7	
12	•0	.0	*	.1	.0	.0	.1	
13-16	•0	.0	*	*	.0	.0		
17-19	•0	.0	.0	.0	.0	.0	.0	
20-22	•0	.0	.0	*	.0	.0		
23-25	• 0	.0	.0	.0	.0	.0	.0	
26-32	•0	.0	.0	.0	.0	.0	.0	
33-40	•0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	•0	.0	.0	.0	.0	.0	.0	
61-70	•0	.0	.0	.0	.0	.0	.0	
71-86	• 0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								6644
TOT PCT	4.3	35.8	53.7	6.0	.1	.0	100.0	

PERIOD:	(PRIMARY)	1892-1973
	LOWED ALL Y	1964 1075

TABLE 20

AREA 0007 CAPE VERDE ISLANDS 15.5N 23.9W

			PERCE	NT FRE	QUENCY	DF 00	CURREN	CE OF	SEA TE	MP (DE	G F) B	Y MONT	н	
SEA TMP	JAN	FEB	HAR	APR	MAY	JUN	JUL	AUG	SEP	ост	NOV	DEC	ANN	PCT
96+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
95/96	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
93/94	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
91/92	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
89/90	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
87/88	.0	.0	.0	.0	.0	.0	.0	.1	.1			.0	11	*
85/86	.0	.0	.0	.0	.0	.0	*	.2	. 3	. 2		.0	46	.1
83/84	.0		.0		.0		.3	1.3	3.2	2.0	. 8	.1	418	.6
81/82	.2	.1	.1	.0	.1	.4	2.6	12.7	27.4	21.9	7.5	. 8	4025	6.2
79/80	.5	.3	. 2	.2	.5	2.2	10.7	33.9	41.8	44.5	23.7	4.7	8896	13.8
77/78	2.2	.9	1.2	1.0	3.3	9.4	27.1	34.0	21.8	24.9	38.9	15.9	9868	15.3
75/76	10.5	4.4	5.3	7.2	14.0	27.7	33.7	14.4	4.5	5.6	21.9	31.4	9877	15.3
73/74	33.2	20.3	22.3	29.0	37.3	39.5	21.8	3.1	.7	.7	6.4	34.2	13391	20.8
71/72	34.3	34.2	34.3	35.9	31.1	16.8	3.3	.3	.2	.1	.6	10.4	10602	16.4
69/70	15.6	28.8	26.2	21.0	11.6	3.1	.5		.0		.1	2.0	5620	8.7
67/68	3.0	9.7	9.0	4.9	1.7	.5	.0	.0	*	.0	*	.4	1492	2.3
65/66	.4	1.1	1.1	.4	.2	.3		.0	.0	.0	.0	.1	188	.3
63/64	.1	.2	.2	.3		.1	.0	.0	.0	.0	.0	*	47	.1
61/62			.0	.0		.0	.0	.0	.0	.0	.0	.0	6	
59/60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
57/58	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
55/56	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	o	.0
53/54	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
51/52	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	ő	.0
49/50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
47/48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
45/46	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
43/44	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
41/42	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
39/40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
37/38	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
35/36	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
33/34	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	o	.0
31/32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	o	.0
29/30						.0	.0	.0	.0	.0	.0	.0	o	.0
27/28		-0	-0	- 0										
	.0	.0	.0	.0	.0	.0								
	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
C27	.0					5890								

TABLE 21

PKE	SSURE	(MB)

			AV	ERAGE	BY HOU	R (GMT	,			TOTAL	
MO	0000	0300	0600	0900	1200	1500	1800	2100	MEAN	OBS	
JAN	1016	1016	1015	1016	1016	1016	1014	1016	1015	2328	
FEB	1016	1016	1015	1016	1016	1016	1014	1016	1015	2403	
MAR	1016	1015	1014	1016	1016	1015	1014	1015	1015	2847	
APR	1015	1016	1014	1016	1016	1016	1014	1015	1015	2890	
MAY	1016	1016	1014	1016	1016	1016	1014	1015	1015	2827	
JUN	1016	1016	1015	1016	1016	1017	1015	1016	1016	2768	
JUL	1015	1015	1014	1015	1015	1015	1014	1015	1015	2741	
AUG	1014	1014	1013	1014	1014	1014	1013	1013	1013	2454	
SEP	1014	1014	1013	1014	1014	1014	1012	1013	1013	2550	
DCT	1015	1014	1013	1014	1015	1014	1013	1014	1014	2622	
VON	1015	1015	1014	1015	1015	1014	1013	1015	1014	2503	
DEC	1016	1016	1014	1016	1015	1015	1014	1015	1015	2477	
ANN	1015	1015	1014	1015	1015	1015	1014	1015	1015	31410	
ORE	4404	2204	4050	2014	4210	2174	4000	2020		- Santamerea	

PFRCENTILES

MO	MIN	1%	5%	25%	50%	75%	95%	99%	MAX
JAN	1008	1010	1012	1014	1015	1017	1019	1021	1025
FEB	1006	1009	1011	1014	1016	1017	1019	1021	1026
MAR	1007	1010	1012	1013	1015	1016	1018	1020	1024
MAY	1003	1009	1012	1014	1015	1016	1018	1020	1024
JUN	1005	1010	1012	1015	1016	1017	1019	1021	1024
JUL	1003	1008	1011	1014	1015	1016	1018	1020	1023
AUG	1003	1008	1010	1012	1013	1015	1017	1019	1022
SEP	1003	1007	1009	1012	1014	1015	1017	1019	1022
OCT	1006	1008	1011	1013	1014	1015	1017	1019	1021
NOV	1003	1009	1011	1013	1014	1016	1017	1019	1023
DEC	1004	1009	1011	1013	1015	1016	1019	1021	1026

PERIOD: (PRIMARY) 1924-1973 (OVER-ALL) 1855-1973

TABLE I

AREA 0008 DAKAR 14.8N 17.8W

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHENO	MENA	
WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST SLWG SNOW	
N NE E SE	.2 .2 .6 2.6	•1 •1 •0	.1	.0	.0	.0	.0	.2 .4 1.6 2.6	·1 • •0 •0	.6	2.6 2.4 1.9 2.1	•1 •0 •0	2.4 3.9 13.8 10.4	1.7	93.4 91.3 77.8 85.0
S	.0	.0	.0	.0	.0	.0	.0	1.3	.0	.0	.0	.0 .0	.0 5.3 1.8	1.3	100.0 92.0 84.0
NW VAR CALM	.0	•0	.0	.0	.0	•0	.0	.0	.0	.0	3.4	.3	4.4 .0 5.7	.0	90.5
TOT PCT TOT DBS:	6922	.1	.1	.0	.0	•0	.1	.4	*	.5	2.5	.1	3,8	1.3	91.4

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			P	RECIPI	TATIO	N TYPE					DTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THOR	FOG WD PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST BLWG SNOW	
00603 06609 12615 18621	.4 .3 .3	.0 .1 .1	.2	.0	.0	•0	.0 .2 .1	.5 .7 .5	.0 .1 .1	.8 1.0 .1	2.0 3.2 1.6 3.4	.0 .1 .2 .0	2.8 3.4 3.7 5.2	1.5 1.0 1.8 1.2	92.5 90.5 92.2 89.7
TOT PCT TOT DBS:	7082	•1	.1	.0	.0	•0	.1	.5		.5	2.6	•1	3.8	1.4	91.2

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		WI	ND SPE	ED (KN	ors)								HOUR	(GMT)				
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	PCT FREQ	SPD	00	03	06	09	12	15	18	21	
N NE	1.4	18.9		1.5	.1	.0		42.8	11.4	49.2 35.1	57.1	44.7	30.3	35.1 46.8	47.0	46.3 37.5	44.0	
E	.5	3.8	3.3	.6	*	.0		8.2	11.6	5.4	6.0	7.3	13.4	12.1	5.6	6.4	6.6	
SE	.1	.6	.1	*	.0	.0		. 8	7.3	.6	.6	.6	1.3	1.1	. 6	.9	.6	
S	. 2	.3	.1	.0	.0	.0		.5	5.8	.6	.0	.6	.4	. 4	.0	. 4	.3	
SW	. 2	. 2	.1	.0		.0		.5	7.2	. 5	.6	.5	. 5	.3	.0	.7	.7	
W	. 2	.4	.1	*	.0	.0		.7	6.9	.7	.6	.5	1.0	.5	.0	. 7	1.5	
NW	.4	2.6		*	*	.0		4.0	8.4	5.5	6.0	3.3	1.7	2.3	2.9	5.2	5.3	
VAR	.0	.0	.0		.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	1.7					-0.		1.7	.0	2.1	3.1	1.9	. 8	1.4	.0	1.9	1.4	
TOT DBS	699	5271	5795	613	22	0	12400		11.5	2475	162	2457	1118	2526	165	2350	1147	
TOT PCT	5.6	42.5	46.7	4.9	.2	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TABLE 3A

WND DIR	0-6	WIND 7-16	SPEED 17-27		41+	TOTAL	PCT	MEAN SPD	00	06 09	12 15	18 21
N NE	7.3	28.6	6.8	.1	.0		42.8	11.4	49.7	40.2	35.8	45.5
E	1.9	4.4	1.7	.1	*		8.2	11.6	5.5	9.2	11.7	6.5
SE	. 5	.3	*		.0		. 8	7.3	.6	. 8	1.1	. 8
S	.5	.1		.0	.0		.5	5.8	.6	.5	.4	.4
SW	.3	. 2	*	*	.0		.5	7.2	.6	.5	.3	.7
W	.5	. 2	*	.0	.0		.7	6.9	.7	.6	.5	1.0
NW	1.6	2.1	.2	*	.0		4.0	8.4	5.5	2.8	2.3	5 . 2
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	1.7						1.7	.0	2.2	1.5	1.3	1.7
TOT DBS	2428	7572	2287	111	2	12400		11.5	2637	3575	2691	3497
TOT PCT	19.6	61.1	18.4	.9	*		100.0		100.0	100.0	100.0	100.0

JANUARY AREA 0008 DAKAR 14.8N 17.8W PERIOD: (PRIMARY) 1924-1973 (OVER-ALL) 1855-1973 TABLE 4 PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT) WIND SPEED (KNOTS) PCT HOUR CALM 1-3 4-10 11-21 22-33 34-47 49+ MEAN FREQ 11.1 100.0 11.7 100.0 12.2 100.0 11.0 100.0 .2 .3 .1 22 4.1 5.2 6.4 4.2 613 4.9 .00000 2637 3575 2691 3497 12400 00&03 06&09 12&15 18&21 TOT PCT 2.2 1.5 1.3 1.7 209 1.7 3.7 3.4 3.2 5.3 490 4.0 45.2 41.7 38.7 44.3 5271 42.5 44.7 48.0 50.1 44.3 5795 46.7

TABLE 6 TABLE 5 PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH)4/8)
AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION MEAN CLOUD COVER 600 l000 2000 3500 5000 6500 8000+ NH <5/8 TUTAL 999 1999 3499 4999 6499 7999 ANY HGT DBS WND DIR 0-2 3-4 5-7 8 & TOTAL DBSCD OBS 000 150 300 149 299 599 3.5 2.2 .3 .2 .1 .1 .1 .3 .0 .3 .3 .7,0 100.0 46.5 31.1 4.3 .6 .4 .3 .3 4.0 1.5 4832 88.9 NE E SE S W WAR CALM TOT DBS .5 .6 .1 .0 .0 * .0 .1 .0 .1 .7 1.4 1.9 .7 .2 * * * * .2 .0 * 165 3.0 1.2 .7 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .2 .1 .7 .7 .2 * .0 * * .3 .0 .1 .3 2.0 2.0 2.1 3.4 2.2 2.5 3.5 2.3 2.9 2.0 .3 .2 .0 * * .0 .0 .0 .0 .31 5.6 4.1 .6 .1 .1 .6 .0 .2 618 7.1 5.1 .8 .1 * * 11.0 .0 .3 788

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CETLING HEIGHT (NH 24/8) AND VSBY (NM)

						VSBY (NM)			
	CI	EILING	= DR	= OR	= OR	= DR	= nR	* DR	· DR	= DR
		FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
	ÜR	>6500	3.3	3.8	3.9	3.9	3.9	3.9	3.9	3.9
		>5000	3.6	4.4	4.5	4.5	4.5	4.5	4.5	4.5
		>3500	4.6	5.7	5.8	5.8	5.8	5.8	5.8	5.8
		>2000	6.0	7.6	7.8	7.8	7.8	7.8	7.8	7.8
		>1000	7.7	9.8	10.2	10.2	10.2	10.2	10.2	10.2
		>600	8.1	10.4	10.7	10.7	10.7	10.7	10.7	10.7
		>300	8.1	10.4	10.8	10.8	10.8	10.8	10.8	10.8
		>150	8.1	10.4	10.8	10.8	10.8	10.8	10.8	10.8
	DR		8.2	10.5	11.0	11.0	11.0	11.0	11.0	11.0
-	UN	TOTAL	454	583	606	606	606	608	610	610

TOTAL NUMBER OF OBS: 5528 PCT FREQ NH <5/8: 89.0

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 085CD 085 65.9 8.0 6.2 4.3 3.4 2.4 2.7 2.4 4.6 .2 5771

JANUARY

PERIOD: (PRIMARY) 1924-1973 (OVER-ALL) 1855-1973

TABLE 8

AREA 0008 DAKAR 14.8N 17.8W

PERCENT	FRED DE	HTND !	TRECTTON	VE	OCCUPRENCE	no	NON-DCCURRENCE	0.5
. Fueru								UF
	PRECIP	ITATIO	N WITH VA	MIAN	G VALUES O	FV	ISIBILITY	

				, Kee !	FILMI	01	H TAK	1110	ML OE 3	01 113	IDILI		
VSBY		N	NE	E	SE	s	SW	W	NW	VAR	CALM	PCT	TOTAL
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	NO PCP			.0	.0	.0	.0	.0		.0		.1	
	TOT %			.0	.0	.0	.0	.0		.0		.1	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<	NO PCP	.7	.6	.1		.0	.0	.0		.0	.0	1.4	
	TOT %	:7	.6	.1		.0	.0	.0	*	.0	.0	1.4	
	PCP	.0			.0	.0			.0	.0	.0		
1<2	NO PCP	.3	.3	. 3	.0	.0	*	*	.1	.0		1.1	
	TOT %	.3	.3	:3	:0	.0	*		:1	.0	*	1.1	
	PCP	.0		.0	.0	.0	.0	.0	.0	.0	.0		
2<5	NO PCP	.7	. 8	.4			*	.0	.1	.0	*	2.1	
	TOT %	.7	. 8	.4	*	*		.1	.1	.0	*	2.1	
	PCP	.1	.1	.1		.0			.0	.0		.3	
5<10	NO PCP	8.3	8.2	1.7	.3	. 1	. 2	.4	.9	.0	.4	20.4	
	TOT \$	8.3	8.3	1.7	. 3	.1	.2	.4	.9	.0	.4	20.7	
	PCP			.0	.0	.0	.0		.0	.0	.0	.1	
10+	NO PCP	39.6	25.4	3.3	. 4	.4	. 3	.3	3.5	.0	1.3	74.4	
	TOT %	39.6	25.5	3.3	.4	.4	. 3	.3	3.5	.0	1.3	74.5	
	TOT OBS												6917
	TOT PCT	49.7	35.6	5.8	.7	.5	. 5	. 8	4.7	.0	1.8	100.0	

....

				PERCENT	FREQ	OF WIN	D DIRE	CTION OF V	VS WIL	ND SPE	ED		
VSBY (NM)	SPD	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL
	0-3	.0	.0	.0	.0	.0	.0	.0	*	.0	*	*	000
<1/2	4-10	.0	*	.0	.0	.0	.0	.0	*	.0		*	
	11-21	*	*	.0	.0	.0	.0	.0	.0	.0		*	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	*	*	.0	.0	.0	.0	.0	*	.0	*	.1	
	0-3		*	*	*	.0	.0	.0	*	.0	.0	.1	
1/2<1	4-10	.2	. 2	*	.0	.0	.0	*	*	.0		.4	
	11-21	.3	.3	*	.0	.0	.0	.0	*	.0		.6	
	22+	*	*	.0	.0	.0	.0	.0	.0	.0		*	
	TOT %	.6	.5	•1	*	.0	.0	*	*	.0	.0	1.1	
	0-3	*			.0	.0		*		.0	*	.1	
1<2	4-10	.1	. 2	.1	.0	.0	*	*	. 1	.0		.6	
	11-21	.1	.2	.1	.0	.0	.0	.0	.0	.0		.5	
	22+	*	.1	*	.0	.0	.0	.0	.0	.0		.1	
	TOT %	.3	.6	. 3	.0	.0	*	*	.1	.0	*	1.3	
	0-3	.1				.0	.0	*	*	.0	.1	.3	
2<5	4-10	.3	.4	.2	*	*	*	*	.1	.0		1.1	
	11-21	.4	.6	.3	.0	.0	*	*	*	.0		1.4	
	22+	. 1	.3	. 1	*	.0	.0	*	.0	.0		.5	
	TOT %	.9	1.4	.6	.1	*	*	.1	.1	.0	.1	3.3	
	0-3	.3	. 2	.1		*	*	*	.1	.0	.4	1.3	
5<10	4-10	4.1	3.8	.9	. 2	.1	.1	. 2	.6	.0		9.9	
	11-21	3.6	4.3	.7	*	.0	*	.1	.2	.0		9.0	
	22+	.4	.7	. 2	*	.0	.2	.0	*	.0		1.4	
	TOT %	8.4	9.1	1.9	• 2	• 1	• 2	.3	. 9	.0	.4	21.6	
	0-3	1.0	.6	.2		.1	.1	.1	. 2	.0	1.2	3.6	
10+	4-10	15.6	10.1	1.9	.3	.2	. 1	. 2	2.1	.0		30.5	
	11-21	18.5	14.4	1.7	.1	• 1	*	*	. 8	.0		35.7	
	22+	1.1	1.5	.2	*	.0	*	*	*	.0		2.8	
	TOT %	36.1	26.6	4.0	.4	• 4	.3	.3	3.2	.0	1.2	72.6	

TOT DBS 9409 TOT PCT 46.3 38.2 6.8 .7 .5 .5 .7 4.4 .0 1.8 100.0

1.0

PERIOD: (PRIMARY) 1924-1973 | FREQUENCY OF CEILING HFIGHTS (FEET,NH >4/8) AND | TABLE 10 | TABLE 10

2.8 2.3 133 110 2.3 1.9

TABLE 12 TABLE 11 CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8),BY HOUR PERCENT FREQUENCY VSBY (NM) BY HOUR HOUR <150 (GHT) <50YD 10+ TOTAL OBS <600 <1000 1000+ NH <5/8
<1 <5 AND5+ AND 5+</pre> <1/2 1/2<1 5<10 75.8 2165 E0300 3.2 1.3 70.4 2627 06609 .6 12615 .1 . 8 1.2 2.9 19.6 75.2 2241 12815 .2 .3 2.4 10.3 1474 18821 1.5 2.0 4.1 23.2 69.2 2542 18821 .1 .2 3.2 11.4 85.4 1315 TOT 114 128 6937 9575 100.0 20 165 TOT 12 12

TABLE 13 TABLE 14 PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP PERCENT FREQUENCY OF WIND DIRECTION BY TEMP TEMP F .0 * .2 2.3 9.5 7.2 .8 0 1123 .0 .0 1.7 12.6 12.6 1.4 .0 1575 28.2 * * 9.0 45.1 41.1 4.3 * .0 .1 .7 2.2 1.5 90/94 85/89 80/84 75/79 70/74 65/69 60/64 55/59 TOTAL PCT .0 .1 .2 .7 .8 .1 .0 .1 3.0 14.2 11.1 .9 * .0 .0 * .5 4.6 5.5 .8 .0 639 11.4 1 2 30 500 2518 2292 238 2 .0 .2 3.9 22.4 21.4 2.2 .0 * .1 .5 2.9 2.1 .0.0 .0 * .1 1.2 3.5 3.9 .3 .0 501 9.0 .0 .0 .00000000 .0 * .1 .9 .3 .1 .0 3.1 15.0 15.0 5583 100.0 50.2 35.0 5.8 .5

TABLE 15 TABLE 16 MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR TOTAL OBS 2673 3578 2672 3469 12392 HOUR (GMT) 00503 06609 12815 18821 TOT TOTAL OBS 1414 1452 1459 1381 5706 MAX 95% 50% 5% 1% HOUR (GMT) 00603 06609 0-29 30-59 60-69 70-79 80-89 90-100 MEAN MIN MEAN 85 90 88 87 90 69 69 71 71 70 60 56 55 57 69.4 69.2 71.6 71.1 70.3 12.4 17.0 27.1 23.0 1135 29.3 24.7 28.1 35.0 1667 37.0 33.5 16.7 26.8 1622 62 63 64 63 .0 9.8 18.5 77 77 82 81 75 74 78 77 76 64 65 65 12615 18621 TOT

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PERIOD: (PRIMARY)	1924-1973		AREA 0008 DAKAR	
	1855-1973	TABLE 17	14.6N	17.8W

AIR	TCM											
	, 67	VS	AIR-	SEA TE	AND MPERA	THE DE	TEFE	RENCE DE	FOG (WI	THOUT	PRECIPITAT	(NOI)
57	61	65	69	73	77	81	85	89	TOT	W	WO	
60	64	68	72	76	80	84	88	92		FOG	FDG	
.0	.0	.0	.0	.0	.0	.0	*		2	.0		
.0	.0	.0	. 0	*	*		*	.0	7	.0	.1	
.0	.0	.0		.1	.1	.1	*	.0	24	*	.3	
.0	.0		.1	.2			.0		43	*	.7	
.0		.1	.3	.5		.1	*		97	*	1.5	
	.0	.2	.4	.5	.3	*	.0	.0	82	.1	1.2	
		.5	1.2	1.3		.1	.0	.0	213	. 1	3.3	
	. 1						.0	.0	320	.1	5.0	
.0	. 2	1.6	3.2	2.4		.0	.0	.0	486	.2	7.5	
	.4	3.5	5.8	3.3	.4	*	.0	.0	841	.4	13.0	
*	. 8	5.5	7.2	3.4	.2	*	.0	.0	1076	.5	16.6	
.0	.7	6.3	8.0	3.0	.3	*	.0	.0	1152	.6	17.7	
*	.4	4.7		1.7	.3		.0	.0	770	. 4	11.9	
.0	.5	3.0	3.5	1.1	.1	.0	.0	.0	517	. 3	8.0	
*	.3	1.7	1.5	.6	.1	.0	.0	.0	265	.1	4.1	
.0	.4	1.1	.9	.3	.1	.0	.0	.0	176		2.8	
.0	.2	.6	.5	.3	.1	.0	.0	.0	105	*	1.7	
.0		.3	.4	.1	.0	.0	.0	.0	49	.0	. 8	
*	.1	.2	.2	.1	.0	.0	.0	.0	41	*	.6	
.0		*		*	.0	.0	.0	.0	9	.0	.1	
	*	*	.1	.0	.0	.0	.0	.0	12	.0	.2	
.0	.0	.0		.0	.0	.0	.0	.0	1	.0	*	
9		1913		1259		38		1		176	6112	
	262		2576		226		4		6288			
. 1	4.2	30.4	41.0	20.0	3.6	.6	. 1	*	100.0	2.8	97.2	
	.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	60 64 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .	60 64 68 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 1 0 0 1 0 0 7 6 3 0 4 4 3 1 0 2 6 0 4 3 1 1 1 0 2 6 1 1 2 0 9 1913	60 64 68 72 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .	60 64 68 72 76 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0	60 64 68 72 76 80 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	60 64 68 72 76 80 84 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .* * .0 .0 .0 .0 .* * .0 .0 .0 .0 .* * .0 .0 .0 .0 .* * .0 .0 .0 .0 .* .1 .1 .1 .0 .0 .1 .2 .3 .5 .5 .1 .0 .0 .2 .4 .5 .3 .1 .0 .1 1.0 2.4 1.3 .2 .4 .0 .2 1.6 3.2 2.4 .4 .0 * .4 3.5 5.8 3.3 .4 * .0 .2 1.6 3.2 2.4 .4 .0 * .4 3.5 5.8 3.3 .4 * .0 .7 6.3 8.0 3.0 .3 * * .4 4.7 5.2 1.7 .3 * .0 .5 3.0 3.5 1.1 .1 .0 .5 3.0 3.5 1.1 .1 .0 .0 .4 1.1 .9 .3 .1 .0 .0 .2 .6 .5 .3 .1 .0 .0 .2 .6 .5 .3 .1 .0 .0 .2 .6 .5 .3 .1 .0 .0 .2 .6 .5 .3 .1 .0 .0 .2 .6 .5 .3 .1 .0 .0 .2 .6 .5 .3 .1 .0 .0 .2 .6 .5 .3 .1 .0 .0 .1 .2 .2 .1 .0 .0 .1 .2 .2 .1 .0 .0 .1 .2 .2 .1 .0 .0 .1 .2 .2 .1 .0 .0 .1 .2 .2 .1 .0 .0 .1 .2 .2 .1 .0 .0 .1 .2 .2 .1 .0 .0 .1 .2 .2 .1 .0 .0 .1 .2 .2 .1 .0 .0 .1 .2 .2 .3 .3 .3 .3 .2 .3 .3 .3 .3 .3 .3 .4 .3 .3 .3 .3 .3 .3 .4 .4 .4 .7 5.2 .1 .7 .3 .3 .3 .3 .3 .3 .3 .3 .3 .3 .3 .3 .3	60 64 68 72 76 80 84 88 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	60 64 68 72 76 80 84 88 92 .0 .0 .0 .0 .0 .0 .0 .0 .0 * * .0 .0 .0 .0 .0 .0 * * * * 0 .0 .0 .0 .0 .0 .0 * * * * * 0 .0 .0 .0 .0 .0 .1 .1 .1 .1 * .0 .0 .0 .0 .1 .2 .3 * .0 .0 .0 .1 .3 .5 .5 .1 * .0 .0 .0 .2 .4 .5 .3 * .0 .0 .0 .1 1.0 2.4 1.3 .2 * .0 .0 .0 .1 1.0 2.4 1.3 .2 * .0 .0 .0 .1 1.0 2.4 1.3 .2 * .0 .0 .0 .2 1.6 3.2 2.4 4 .0 .0 .0 .0 .2 1.6 3.2 2.4 4 .0 .0 .0 .0 .2 1.6 3.2 2.4 4 .0 .0 .0 .0 .2 1.6 3.5 5.8 3.3 .4 * .0 .0 .0 .2 1.6 3.5 2.4 .0 .0 .0 .0 .3 1.7 1.5 5.6 1.0 .0 .0 .0 .4 4.7 5.2 1.7 3 * .0 .0 .0 .5 3.0 3.5 1.1 1.0 .0 .0 .0 .0 .4 4.7 5.2 1.7 3 * .0 .0 .0 .5 3.0 3.5 1.1 .1 .0 .0 .0 .0 .2 .6 .5 .3 .1 .0 .0 .0 .0 .2 .6 .5 .3 .1 .0 .0 .0 .0 .2 .6 .5 .3 .1 .0 .0 .0 .0 .2 .6 .5 .3 .1 .0 .0 .0 .0 .2 .6 .5 .3 .1 .0 .0 .0 .0 .0 .1 1.2 .2 .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .	60 64 68 72 76 80 84 88 92 .0 .0 .0 .0 .0 .0 .0 .0 .0 .	60 64 68 72 76 80 84 88 92 FDG 0 0 0 0 0 0 0 0 0 0 0 0 0 2 0 0 0 0 0	60 64 68 72 76 80 84 88 92 F06 F06 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

PERIOD:	COVE	R-ALL)	1963-1	973				TA	BLE 18						
				PC	T FREQ OF	WIND	SPEED	(KTS)	AND DIREC	TYON V	FRSUS S	FA HEIG	HTS (FT)		
							3. 1.20		-110 011121						
HGT	1-3	4-10	11-21	N 22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.6	2.8	5.7	.0	.0	.0	3.8		.3	1.6	.3	.0	.0	.0	2.2
1-2	.4	11.5		.0	.0	.0	17.6		.3	6.8	2.9	.0	.0	.0	10.1
3-4	*	6.2	12.6	.2	.0	.0	19.1		.0	3.2	7.4	.4	•0	.0	11.1
5-6	*	1.1	7.5	.5	.0	.0	9.1		.0	.5	4.7	.6	.0	.0	5.8
7	.0	.1	2.6	. 8	•0	.0	3.4		.0	.1	1.8	.7	.0	.0	2.6
8-9	.0	• 1	.5	.3	.0	.0	.8		.0	*	.3	.5	*	.0	.8
10-11	.0	.0	.2	• 2	•0	.0	.4		.0	•0	•1	.1	.0	.0	.2
12	.0	.0		*	•0	.0	.1		.0	.0	:	.1	•0	.0	.1
13-16	.0	.0	.0	.0	.0	.0	.1		.0	•0		.2		.0	.2
17-19 20-22	.0	.0	.0		.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
49~60	.0	.0	.0	.0	.0	.0	.0		.0	.0	0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	•0	.0	.0		.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.1	21.6	29.6	2.1	•0	.0	54.4		.6	12.2	17.7	2.5	.1	•0	33.1
				E								SE			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.1		.0	.0	.0	.2		.0	.1	.0	.0	.0	.0	.1
1-2		1.2	.4	.0	.0	.0	1.5		.0	.2	.1	.0	.0	.0	. 3
3-4	.0	.7	.8	.1	.0	.0	1.5		.0	.1		*	.0	.0	.1
5-6	.0	.1	.5	. 2	.0	.0	.7		.0	.0	*	.0	.0	.0	
7	.0	• 1	.3	.2	•0	.0	.5		.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.1	.0		.0	.1		.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	•0	.0	.0		•0	•0	.0	.0	.0	•0	.0
12	.0	•0	.0	*	•0	.0	:		.0	•0	.0	.0	.0	.0	.0
13-16	.0	•0	.0	.0	:	.0	:		.0	•0	•0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	• 0	.0	.0		.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0		•0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	4:7		.0	.0	.0	.0	.0	.0	.0
TOT PCT	.1	2.1	2.0	.4	.1	.0	4.7		.0	.4	.1		.0	.0	.5

									JAN	UARY							
PERIOD:	(OVE	R-ALL)	1963-1	973				TABLE	18	(CONT)				AREA	14.	DAKAR BN 17	.8W
				PC	T FREO	0F 41N0	SPEED				TION	VERSUS	SEA HEIG	HTS (FT)			
						3. 41.11	3. 250		-110			- 5					
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT			1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1		.0	.0	.0	.0	.0				.1	.0		0	.0	.0	.1	
1-2		.1		.0	.0	.0	.2				.0			.0	.0		
3-4		.1	.1	.0	.0	.0	. 2			.0				.0	.0		
5-6	.0	.0		.0	.0	.0				.0			0.0	.0	.0		
7	.0	.0	.0	.0	.0	.0	.0			.0	.0		0.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0			.0	. 0	(.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0			.0	• 0		.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0			.0	• 0			.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0			.0	• 0			.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0			.0	• 0			.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0			.0	• 0			.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0			.0	. 0			.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0			.0	• 0			.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0			.0	. 0			.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0			.0	• 0			.0	.0	.0	
87+ TOT PCT	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
IUI PCI	• 1	•2	••	.0	•0	.0	.4			• 1	•	• • •	.0	•0	.0	•2	
				w									NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT			1-3	4-10	11-21		34-47	48+	PCT	PCT
<1	*	.1	.0	.0	.0	.0	.1			.1	.5		0.0	.0	.0	.7	
1-2	*	.2	.0	.0	.0	.0	.2			.1	1.4	4	0	.0	.0	1.9	
3-4	.0		.0	.0	.0	.0				*	.6		*	.0	.0	1.2	
5-6	.0	.0	.0	.0	.0	.0	.0			.0		2	0	.0	.0	.2	
7	.0	.0	.0	.0	.0	.0	.0			.0		!	.0	.0	.0	.1	
8-9	.0	.0	.0	.0	.0		.0			.0	.() .(.0	.0	*	
10-11	.0	.0	.0	.0	.0	.0	.0			.0	.0	•		.0	.0	*	
12	.0	.0	.0	.0	.0	.0	.0			.0	• 0			.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0			.0	. (.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
20-22	.0	.0	.0	.0	•0	.0	.0			• 0	• 0			•0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0			.0	• 0			•0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0			.0	• 0			.0	.0	.0	
33-40 41-48	.0	.0	.0	.0	.0		.0			.0	• 0			.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0			.0	• 0			.0	.0	.0	
61-70	.0			.0						.0	• 0			.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0			.0	• 0			.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0			.0	• 0			.0	.0	.0	
TOT PCT	.1	.3	.0	.0	.0	.0	.3			.2	2.6			.0	.0	4.2	97.8
101 701	••	.,	.0	.0	.0	.0				• 2	2.0	1.3	• • •	.0	.0	4.2	77.0

		WIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
н	GT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<	1	4.2	5.0	.8	.0	.0	.0	10.0	003
1.	-2	1.1	21.2	9.4	•0	.0	.0	31.8	
3.	-4	•1	10.8	21.2	.7	.0	.0	32.9	
5.	-6		1.6	12.8	1.2	.0	.0	15.6	
	7	•0	.3	4.8	1.6	.0	.0	6.6	
8-	-9	•0	• 1	.8	.8	*	.0	1.8	
10	-11	•0	.0	.3	.3	.0	.0	.6	
1:	2	•0	.0	.1	• 1	.0	.0	.2	
13	-16	.0	.0	.1	.2	.1	.0	.3	
17-	-19	•0	.0	*	.0	*	.0	.1	
	-22	•0	.0	.0		.0	.0	*	
23	-25	•0	.0	.0	.0	.0	.0	.0	
	-32	• 0	.0	.0	.0	.0	.0	.0	
33.	-40	.0	.0	.0	0	.0	.0	.0	
41.	-48	•0	.0	.0	.0	.0	.0	.0	
	-60	• 0	.0	.0	.0	.0	.0	.0	
61	-70	• 0	.0	.0	.0	.0	.0	.0	
	-86	.0	.0	.0	.0	.0	.0	.0	
	87+	• 0	.0	.0	.0	.0	.0	.0	
									3473
TOT	PCT	5.5	39.0	50.2	5.1	.1	.0	100.0	

PERIOD: (PRIMARY) 1924-1973 (OVER-ALL) 1855-1973

TABLE 1

AREA 0008 DAKAR 14.8N 17.8W

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

			P	RECIPI	TATIO	TYPE					OTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE		
N NE	.5	:1	:1	.0	.0	•0	.0	1.2	.3	:7	3.6	.0	5.7	1.5	87.4
E SE	.5	7.7	.0	.0	.0	•0	.0	1.1	.0	1.1	6.9	.0	6.3	.5	84.1
S	6.1	6.1	2.3	.0	.0	.0	.0	12.5	.0	3.0	3.0	.0	2.3	3.8	83.7
SW	1.0	.0	.0	.0	.0	.0	.0	1.0	4.8	2.0	7.0	.0	10.9	2.0	71.1
VAR	.0	.0	.5	.0	.0	•0	.0	.7	.6	.0	6.5	.0	9.1	2.1	80.3
CALM	.0	.9	0	.0	.0	•0	.0	.9	.0	.0	9.2	•0	11.0	1.8	77.1
TOT PCT	6923	.2	.3	.0	.0	.0	.0	1.0	.3	.7	4,1	•	6.1	1.7	86.1

TABLE 2

					P	FRCENT	FREQUE	NCY OF WE	ATHER OCCUP	RENCE	BY HOU	R			
			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHENO	MENA	
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HATL	PCPN AT OB TIME	PCPN PAST HOUR	THDR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	
00£03 06£09 12£15 18£21	.8 .5 .5	.2 .5 .1	.2 .5 .1	.0	.0	•0	.0	1:1 1:5 :7	.5 .2 .4	1.0	3.0 4.9 3.5 5.3	.0 .0 .0	4.2 5.4 7.5 7.2	1.7 1.7 2.2 1.8	88.4 84.8 85.7 84.5
TOT PCT TOT OBS:	7105	•2	.3	.0	.0	•0	.0	1.0	.3	.7	4.2		6.1	1.8	85.8

TABLE 3

				PERC	ENTAGE	FREQUE	NCY OF	WIND I	DIRECTION	BY SP	EED AN	D BY H	DUR				
		wI	ND SPE	ED (KNI	DTS)								HOUR	(GMT)			
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	1.5	23.7		2.0		.0		55.3	11.8	58.7	66.4	57.2		51.1	58.7	57.4	52.3
NE	.7	11.9		1.7		.0		28.2	12.1	22.7	14.8	27.7	37.2	34.1	23.2	25.1	28.7
E	.3	1.8	1.4	.2	.0	.0		3.6	10.5	2.2	3.4	2.7	6.2	5.3	2.2	3.3	3.7
SE	.1	.3	.1	*	.0	.0		.5	8.1	.2	.6	.5	. 8	.7	1.3	.3	.5
S	.1	.2	.1	.0	*	.0		.4	6.5	.6	.5	.4	.3	.5	.4	.2	.4
SW	.1	.3		.0		.0		.4	6.3	.7	.8	.2	.1	.3	.0	.3	1.2
W	.3	.7	.1	.0	.0	.0		1.1	5.6	1.5	.0	.9	.5	.5	.0	1.4	1.7
NW	.7	5.5		.2	.0			8.9	9.0	11.4		8.6	3.9	6.2		10.8	
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	1.5							1.5	.0	1.8	2.5	1.8	1.3	1.4	1.2	1.2	1.3
TOT OBS	631	5300	5507	483	5	0	11926		11.3	2342		2350	1065	2471	170	2308	1060
TOT PCT	5.3	44.4		4.0		.0		100.0			100.0				100.0		

TA	B	L	E	3	A

WND DIR	0-6	WIND 7-16	SPEED 17-27	(KNOTS) 28-40	41+	TOTAL	PCT	MEAN SPD	00	06 09	R (GMT 12 15	18
						ura	FREN	370	05	04	15	21
N NE	9.0	35.3	10.8	.2	.0		55.3	11.8	59.2	54.8	51.6	55.8
E	1.1	2.0	.6	.1	.0		3.6	10.5	2.3	3.8	5.1	3.4
SE	.2	.2		.0	.0		.5	8.1	.2	.6	.7	.4
S	.3	.1			.0		.4	6.5	.6	.3	.5	.3
SW	.8	.2			.0		.4	6.3	.7	.2	.3	.6
W	. 8	.3		.0	.0		1.1	5.6	1.4	. 8	.5	1.5
NW	2.9	5.4	.6	*	.0		8.9	9.0	11.4	7.2	6.6	10.6
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	1.5						1.5	.0	1.9	1.6	1.4	1.2
TOT OBS	2404	7294	2165	63	0	11926		11.3	2502	3415	2641	3368
TOT PCT	20.2	61.2	18.2	.5	.0		100.0		100.0	100.0	100.0	100.0

FEBRUARY

PERIOD: (PRIMARY) 1924-1973 (OVER-ALL) 1855-1973

TABLE 4

AREA 0008 DAKAR 14.8N 17.8W

0 0

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

				WIND	SPEED (KNOTS)			PCT	TOTAL
HOUR	CALM	1-3	4-10	11-21	22-33	34-47	48+	MEAN	FREQ	OBS
00603	1.9	4.2	45.2	45.1	3.6		.0	11.0	100.0	2502
90300	1.6	3.8	44.3	46.0	4.2	.1	.0	11.3	100.0	3415
12615	1.4	3.4	42.7	47.6	4.8	.1	.0	11.6	100.0	2641
18621	1.2	3.7	45.4	46.1	3.7	.0	.0	11.1	100.0	3368
TOT	181	450	5300	5507	483	5	0	11.3		11926
PCT	1.5	3.8	44.4	46.2	4.0		-0	0.00	100.0	

TABLE 5

TABLE 6

P	CT FRE		OTAL C			EIGHTHS)		1	PERCEN	TAGE F	REQUEN	CY OF	CEILIN NH <5/	S HEIG	HTS (I	FT,NH IRECTI	>4/8 DN	()
						MEAN												
WND DIR	0-2	3-4	5-7	3 8	TOTAL	CLOUD	000	150	300	600	1000	2000	3500	5000	6500	8000+	NH	<5

WND DIR	0-2	3-4	5-7	8 & 085CD	TOTAL	CLOUD	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	
N	42.8	7.0	7.5	4.9		2.0	.2	.0	.1	.5	1.5	1.2	. 8	.4	.5	1.8	55.1	
NE	13.4	2.8	3.5	1.6		2.3		.0	.1	.2	.4	. 8	.5	.1	.1	.2	18.9	
E	1.4	.4	.5	. 2		2.7	.0			.1	.1	. 1	*	.0	.1	.1	2.1	
SE	.2			.1		3.4	.0	.0	.0	*	*	*	*	.0	*	*	.2	
S	.3		.1	.0		1.7	.0	.0	.0	.0	.0	*	*	*	.0	.0	.3	
SW	. 2			.1		2.5	.0	.0	.0	*	.0	*	*	.0	.0	*	.3	
	.5	.1	.1	.1		2.2	.0	.0	.0	.0	.0	*	*	.0	.0	*	.6	
NW	7.0	1.0	1.4	.9		2.0	.1	.0	.0	.1	.3	.3		.1		.4	9.0	
VAR	0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	1.2	.2	.2	. 3		2.4	.1	.0	*	.0	.1	.1	*		.0	*	1.5	
TOT OBS	3640	626	720	449	5435	2.1	20	1	11	46	138	136	83	33	40	141	4786	5435
TOT PCT	67.0	11.5	13.2	8.3	100.0		.4	*	.2	.8	2.5	2.5	1.5	.6		2.6	88.1	100.0

TABLE 7

CUMULATIVE PCT FREQ	OF SIMULTANEOUS	DCCURRENCE
OF CEILING HEIGHT		

					VSBY (NM	1)			
CEI	LING	· OR	• OR	- DR	- OR	- PR	- DR	- DR	= DR
(FE	ET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
DR >		1.8	2.8	3.4	3.5	3.5	3.5	3.5	3.5
DK >	5000	2.2	3.4	4.0	4.1	4.1	4.1	4.1	4.1
OR >	3500	3.2	4.8	5.5	5.6	5.6	5.6	5.6	5.6
DR >	2000	4.9	7.2	8.1	8.1	8.1	8.1	8.1	8.1
DR >	1000	6.3	9.4	10.6	10.7	10.7	10.7	10.7	10.7
DR >	600	6.6	10.2	11.4	11.6	11.6	11.6	11.6	11.6
DR >	300	6.7	10.3	11.6	11.8	11.8	11.8	11.8	11.8
OR >	150	6.7	10.4	11.7	11.8	11.8	11.8	11.8	11.8
DR >	0	6.7	10.5	11.9	12.1	12.1	12.1	12.1	12.1
	OTAL	373	580	661	670	670	671	672	672

TOTAL NUMBER OF OBS: 5536 PCT FREQ NH <5/8: 87.9

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	пвѕсо	TOTAL
65.2	8.9	5.4	2.9	3.1	1.9	2.9	2.6	5.4	. 3	5759

F	F	R	P	1)	٨	D	Y

(OVER-ALL) 1	924-1973 855-1973						TAB	LE 8				ARE	A 0008 DAKA 14.8N	R 17.
		P	ERCENT	PRECI	F WIND	DIREC	TION V	ING V	URRENCE ALUES	E OR N	181L1	URRENC	E OF	
VSBY (NM)		N	NE	E	SF	5	SW	W	ИМ	VAR	CALM	PCT	TOTAL	
<1/2	NO PCP	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1		
1/261	PCP NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
1/201	101 %	1.2	.7	.2	•0	•	.0	•	• 2	.0	.0	2.3		
1<2	PCP NO PCP TOT %	.6	.4	.0	.0	.0	.0	.0	.0	.0	.1	1.5		
2<5	PCP NO PCP	2.3	.8	.0	:	.0	.0	.0	1.0	.0	.2	4.6		
	TOT %	2.3	.8	.2	:	.1	.0		1.0	.0	.0	4.7		
5<10	NO PCP	14.2	6.4	.6	•1	.1	•1	.2	2.8	.0	:4	24.7		
10+	PCP NO PCP TOT %	41.9 42.0	14.2 14.4	1.7	.0	.3	.0 .2 .2	.4	5.8 5.8	.0	.9	65.8 66.0		
	TOT DAS	60.9	22.8	2.7	.4	.5	.3	.7	10.1	.0	1.6	100.0	6915	

TABLE 9
PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

							******			• • •			
VSBY (NM)	SPD	N	NE	E	SE	S	SW	×	NW	VAR	CALM	PCT	TOTAL
	0-3	*	.0	.0	.0	.0	.0	.0	*	.0	.0	*	
<1/2	4-10	*		.0	.0	.0	.0	.0	.0	.0			
	11-21		.0	.0	.0	.0	.0	*	.0	.0		*	
	22+	*	.0	.0	.0	.0	.0	.0	.0	.0		*	
	TOT %	.1		.0	.0	.0	.0	*	*	.0	.0	.1	
		• • •		••	••	••	••				••	• • •	
	0-3	*		*	.0	*	.0	.0	.0	.0	.0	.1	
1/2<1	4-10	.5	.2	*	.0	.0	.0	*	.1	.0		.9	
	11-21	.4	.3	.1	.0	.0	.0	.0	*	.0		. 6	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.9	.6	.1	.0	*	.0	*	.1	.0	.0	1.8	
	0-3	.1	.0	.0	.0	.0	.0	.0		.0	.1	.2	
142	4-10	.3	.2		.0			*	.1	.0		.6	
	11-21	.3	.1	*	.0	.0	.0	.0	*	.0		.5	
	22+	.1	*		.0	.0	.0	.0	*	.0		.1	
	TOT %	.7	.4	. 1	.0	*			.2	.0	.1	1.4	
	0-3	.1			.0				.1	.0	.2	.5	
2<5	4-10	1.1	.5	.1	*			.1	.5	.0	• • •	2.5	
-	11-21	. 8	.5	.1	*				.2	.0		1.6	
	22+	.2	.1		.0		.0	.0	.1	.0		.3	
	TOT \$	2.2	1.1	.3	*	.0	*	.1	.9	.0	.2	4.9	
								•••	•				
	0-3	.4	. 2	.1	*	*	*	.1	.2	.0	.4	1.5	
5<10	4-10	6.4	2.8	.4	*	*	*	.2	1.6	.0		11.6	
	11-21	6.2	3.0	.2	*	*	*	*	. 8	.0		10.3	
	22+	.5	.4		.0	.0	.0	.0	. 1	.0		1.0	
	TOT %	13.4	6.5	.8	.1	.1	.1	.3	2.8	.0	.4	24.4	
	0-3	.9	.3	.2		.1	.1	.1	.4	.0	1.0	3.1	
10+	4-10	16.6	6.7	1.0	.2	.1	.2	.3	3.7	.0		28.9	
	11-21	22.0	8.4	.7	.1	*	*	*	1.7	.0		33.0	
	22+	1.3	.9	.1				.0	.1	.0		2.3	
	TOT *	40.8	16.4	1.9	.3	.3	.3	.5	5.9	.0	1.0	67.3	
,	TOT 085												9182
	TOT PCT	58.1	24.9	3.2	.4	.5	.4	.9	9.9	.0	1.7	100.0	

FEBRUAR	٧

PERIOD:	(PRIMARY)	

TABLE 10

AREA 0008 DAKAR 14.8N 17.8W

PERCENT	FREQUENCY	OF	CEILING	HEIGHTS	(FEET, NH	>4/81	AND
	accili	300	NE DE NI	1 /6/0 0	V HOUR		

						-			-				
HOUR (GMT)	000	150 299	300 599	600	1000	2000 3499	3500 4999			8000+	TOTAL	NH <5/8 ANY HGT	TOTAL
00603	.5	.0	.1	.7	2.1	2.1	1.2	.5	.7	2.3	10.3	89.7	1363
06609	.4	•1	.2	1.2	3.6	3.0	1.7	. 3	.5	2.8	13.8	86.2	1385
12615	.3	.0	.3	.9	1.8	2.8	1.3	.6	.9	2.7	11.5	88.5	1557
18621	•2	.0	.1	.7	2.6	2.1	1.8	.9	.9	2.8	12.1	87.9	1375
TOT	20	1	11	48	142	143	85	33	43	151	677	5003 88.1	5680

TABLE 11

TABLE 12

		PERCENT	FREQUEN	CY VSB	(NM)	BY HOUR		CUMULAT					VSBY (NM)),BY HOUR	AND/OR
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL
00603	.1	1.0	.9	5.1	23.7	69.1	2090	60300	.5	. 8	6.3	7.4	86.3	1330
90360	.0	2.4	1.3	4.8	25.2	66.3	2555	90360	.4	.7	6.6	10.9	82.4	1343
12615	.1	1.4	1.6	5.3	22.0	69.5	2219	12615	.3	.7	6.7	9.2	84.1	1525
18821	.1	2.4	1.9	5.4	26.1	64.1	2502	18621	• 2	.7	7.5	10.2	82.3	1338
TOT	9	175	135	482 5.1	2280	6285	9366 100.0	TOT PCT	20	39	376 6.8	521 9.4	4639 83.8	5536 100.0

T	A	B	L	E	1	

	PERCE								TOTAL	PCT
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	DBS	FRES
85/89	.0	.0	.0	.0	.0	.0		.0	1	
80/84	.0	.0	.0	.1	.1	.1	• 1	.0	21	.4
75/79	.0	.0	.2	.3	1.5	2.4	1.4	.2	345	6.0
70/74	.0	.0	.1	1.3	5.7	12.6	12.9	5.1	2175	37.7
65/69	.0	.0	.1	1.1	3.4	11.5	23.5	10.8	2905	50.3
60/64	.0	.0		.1	• 2	.6	2.3	2.4	323	5.6
55/59	.0	.0	.0	.0	.0	.0	.0	*	2	
TOTAL	0	0	17	169	629	1575	2314	1068	5772	100.0
PCT	.0	.0	.3	2.9	10.9	27.3	40.1	18.5		

TABLE 14

	PERC	ENT FRE	QUENCY	DF WI	ND DIR	ECTIO	N BY T	EMP	
N	NE	E	SE	S	SW	W	NW	VAR	CALM
	.0	.0	.0	.0	.0	.0		.0	.0
.2	.1	*	*	.0	.0	.0	. 1	.0	*
3.2	1.6	.2	*	.1	*	*	.6	.0	.2
22.7	8.1	1.0	.1	. 2	.1	.3	4.5	.0	.8
31.9	11.4	1.2	.3	. 2	.1	. 3	4.5	.0	.4
3.3	1.3	. 2	. 1	*	*	*	.6	.0	
*	.0	.0	.0	.0	.0	.0	.0	.0	.0
61.3	22.4	2.6	.4	.4	.3	.7	10.3	.0	1.5

TABLE 15

EMITO			LEKOE		0	100	0 1 , 0	
MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL
85	75	73	68	64	62	57	68.0	2529
85	75	73	68	64	62	55	67.8	3433
86	81	77	71	66	64	57	70.9	2606
87	79	76 75	69	64	62	58 55	70.1	3346
	MAX 85 85 86 87	MAX 99% 85 75 85 75 86 81 87 81	MAX 99% 95% 85 75 73 85 75 73 86 81 77 87 81 76	MAX 99% 95% 50% 85 75 73 68 85 75 73 68 86 81 77 71 87 81 76 70	MAX 99% 95% 50% 5% 85 75 73 68 64 85 75 73 68 64 86 81 77 71 66 87 81 76 70 65	MAX 99% 95% 50% 5% 1% 85 75 73 68 64 62 85 75 73 68 64 62 86 81 77 71 66 64 87 81 76 70 65 63	MAX 99% 95% 50% 5% 1% MIN 85 75 73 68 64 62 57 85 75 73 68 64 62 55 86 81 77 71 66 64 57 87 81 76 70 65 63 58 87 81 76 70 65 63 58	85 75 73 68 64 62 57 68.0 85 75 73 68 64 62 55 67.8 86 81 77 71 66 64 57 70.9 87 81 76 70 65 63 58 70.1

TABLE 16

	PERC	ENT FRE	QUENCY	OF RELA	TIVE H	UMIDITY	BY HOUR	
HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
00603	.0	.6	5.6	21.7	43.5	28.7	84	1408
06609	.0	2.5	6.4	20.7	42.9	27.6	83	1499
12615	.0	7.2	18.9	33.9	31.5	8.5	76	1536
18621	.0	2.1	12.0	32.5	42.7	10.7	79	1476
TOT	0	186	642	1616	2369	1106	80	5919

c	*	•	-		-	v

PERIOD: (PRIMARY) 1	924-1973		AREA 0008 DAKAR
(DVER-ALL) 1	955-1973	TARLE 17	14 RN 17 RH

DOT	EDEO !	nE.	ATD	TEMMERATURE	INEC	E 1	AND	THE	DECLIBORNES	DE	Enc	CHITHOUT	PRECIPITATION
	LUCA	u.	wir										LKECTLT IN TON
				WE ATO	LEEA	TC	uDCU.	ATLIGI	DIFFEEDONE		DEC I	E 3	

			. W- 2C		- LINA . C	WE OIL	LLE					
AIR-SEA	57	61	65	69	73	77	81	85	TOT	W	WD	
THP DIF	60	64	68	72	76	80	84	88		FDG	FDG	
14/16	.0	.0	.0	:			.1	.0	13		.7	
11/13	.0	.0	.0		.2	.3	.2	*	51	.1	.7	
9/10	.0	.0	.0	.1	.2	.3	*	.0	44	. 1	.6	
7/8	.0	.0	.2	.6		.3		.0	133	.2	1.9	
6	.0	.0	. 2	1.0	1.1	.3	*	.0	165	.1	2.5	
6		.0	.5	2.0	1.8	.3	.0	.0	289	. 2	4.4	
4	.0	.0	1.3	3.3	1.8	.2	*	.0	423	.3	6.4	
3	.0	.2	3.0	4.9	2.2	. 1	.0	.0	659	.6	9.8	
2	.0	.4	4.9	6.6	1.9	.2	.0	.0	884	.7	13.3	
2	.0	.9	7.3	7.3	1.9	.1	.0	.0	1098	.9	16.5	
0		1.1	7.2	5.9		. 1	.0	.0	995	.6	15.2	
-1	.0	.9	5.7	3.8	.6	*	.0	.0	693	.4	10.5	
-2		.7	2.9	2.2	.5		.0	.0	395	.2	6.1	
-3	.0	.3	1.6	1.4	.2	.0	.0	.0	217	.1	3.4	
-4		.2	. 8	. 8	.2		.0	.0	126		1.9	
-5	.0	.2	.4	.4	.1	.0	.0	.0	67		1.0	
-6		.1	.1	.1		.0	.0	.0	26	.0	.4	
-7/-8	.0	.0	.1	.1	.0	.0	.0	.0	13	.0	.2	
-9/-10	.0		. 1		.0	.0	.0	.0	10	.0	.2	
-11/-13	*			*	.0	.0	.0	.0	6	.0	.1	
-14/-16	.0		.0	.0	.0	.0	.0	.0	1	.0		
TOTAL	8		2295		950		31			290	6018	
PCT	.1	320	36.4	2557	15.1	2.3	.5	3	6308	4.6	95.4	

PERIOD: (OVER-ALL) 1963-1973

TABLE 18

				PC	T FREQ	F WIND	SPEED	(KTS)	AND DIRE	CTION V	ERSUS S	EA HEIG	HTS (FT		
нст	1-3	4-10	11-21	N 22-33	34-47	48+	PCT		1-3	4-10	11-21	NE 22-33	34-47	48+	PCT
<1	.6	2.8	.3	.0	.0	.0	3.6		.1	1.4	.1	.0	.0	.0	1.6
1-2	.9	14.7	7.2	.0	.0	.0	22.7		.2	5.1	1.8	.0	.0	.0	7.1
3-4	.2	7.1	12.5	.3	.0	.0	20.1			1.7	3.4	. 2	.0	.0	5.3
5-6		1.4	7.9	.6	.0	.0	9.8			.5	2.5	. 3	.0	.0	3.4
7	.0	.1	3.8	.6	.0	.0	4.6		.0	.0	.9	.1	.0	.0	1.0
8-9	.0	.1	1.0	.2	.0	.0	1.3		.0		.2		.0	.0	.3
10-11	.0	.0	.4	.2	.0	.0	.6		.0	.0	.1	.2	.0	.0	.3
12	.0	.0	.1	.0	.0	.0	.1		.0	.0		.0	.0	.0	*
13-16	.0	.0	.1	.1	.0	.0	. 2		.0	• 0		.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	•0	.0
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0		.0	•0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.6	26.2	33.1	2.1	•0	.0	63.0		.3	8.8	9.0	.8	.0	•0	19.0
				E								SE			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.2	.0	.0	.0	.0	.3		.0		.0	.0	.0	.0	
1-2	.3	.8	.2	.0	.0	.0	1.2			.1	.1	.0	.0	.0	.2
3-4	.0	.3	.2	.0	.0	.0	.5		.0	.0	.1	.0	.0	.0	.1
5-6	.0	.0	.3		.0	.0	.3		.0	•0		.0	.0	.0	*
7	.0	.0	.1	*	.0	.0	.1		.0	.0		.0	.0	.0	
8-9	.0	.0	*	.0	.0	.0			.0	.0	.0		.0	.0	
10-11	.0	.0	.0		.0	.0			.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0		.0	• 0	.0	.0	.0	• 0	.0
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	•0	.0
23-25	.0	.0	.0	.0	.0	.0	.0		.0	• 0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	•0	.0	.0		.0	.0	.0	• 0	• 0	•0	• 0
41-48	.0	.0	.0	.0	•0	.0	.0		.0	•0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0		•0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0		.0	•0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	•0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
TOT DCT	. 4	1.3					2.5						- 0	.0	

PERIOD: (UVER-ALL) 1963-1973 TABLE 16 (CONT) TABLE 16 (CONT) PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT) HGT 1-3 4-10 11-21 22-33 34-47 48+ PCT 1-3 4-10 11-21 22-33	252100.	caue		1043	0-2					FEBRU	ARY							
PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT) HGT 1-3 4-10 11-21	PEKTOD:	LUVE	K-ALL!	1903-1	1973				TABLE	16 (CONT				AKEA			
MGT 1-3 4-10 11-21 22-33 34-47 48+ PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT 41 1-1 1-2 1 22-33 34-47 48+ PCT 41 1-1 1-2 1 22-33 34-47 48+ PCT 41 1-1 1-2 1 22-33 34-47 48+ PCT 41 1-2 1 22-33 34-47 48+ PCT 41-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3																		
HGT 1-3 4-10 11-21 22-33 34-47 48+ PCT 1-3 4-10 11-					PC	T FREQ	OF WIND	SPEED	(KTS)	AND	DIREC	TION	VERSUS	SEA HEIG	HTS (FT))		
C1					5									SW				
1-2								PCT				4-10						
1-2							.0	.1				•						
5-6								. 1										
7																		
8-9																		
10-11																		
122																		
13-16																		
17-19																		
20-22																		
23-25 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0																		
26-32																		
33-40																		
41-48																		
49-60 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0																		
61-70 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0																		
71-86																		
## ## ## ## ## ## ## ## ## ## ## ## ##																		
TOT PCT 1 1 1 * 0 * 0 3 11 22 * 0 * 0 3 HGT 1-3 4-10 11-21 22-33 34-47 48+ PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT PCT PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT PCT PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT PCT PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT PCT PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT PCT PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT PCT PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT PCT PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT PCT PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT PCT PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT PCT PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT PCT PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT PCT PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT PCT PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT PCT PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT PCT PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT PCT PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT PCT 1-3 4-10 10 11-21 22-33 34-47 48+ PCT PCT 1-3 4-10 11-21 22-33 34-47																		
HGT 1-3 4-10 11-21 22-33 34-47 48+ PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT PCT 41 2 12 2 13 2 14-0 10 10 10 10 10 10 10 10 10 10 10 10 10																		
HGT 1-3 4-10 11-21 22-33 34-47 48+ PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT PCT C1																		
HGT 1-3 4-10 11-21 22-33 34-47 48+ PCT 1-3 4-10 11-21 22-33 34-47 48+ PCT PCT C1					u									Nu				TOTAL
1-2 1 2 * 0 0 0 0 0 1 1 1 0 0 0 0 0 1 2 4 0 8 0 0 0 0 4 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT			1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
3-4 0 1 1 0 0 0 0 0 1 1	<1		.1		.0	.0	.0	.2			.3	1.0	.1	.0	.0	.0	1.4	
5-6 0	1-2		. 2		.0	.0	.0	.4			.2	4.0	. 8	.0	.0	.0		
7			.1									1.6						
8-9					.0	.0					.0	.3	.7	.1	.0	.0	1.0	
10-11							.0											
12																		
13-16 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0																		
17-19																		
20-22 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0																		
23-25																		
26-32 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0																		
33-40 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0																		
41-48																		
49-60																		
61-70 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0																		
71-86 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0																		
87+ .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0																		
10 10 10 10 10 10 10 10 10 10 10 10 10 1																		97.2
					.0	•11		.0				0.7	,,,	.,	.0	.0	****	,,,,

	WIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	4.8	5.8	.5	.0	.0	.0	11.0	003
3-4	2.0	24.8	9.8	.0	.0	.0	36.6	
5-6		2.2	11.2	1.0	.0	.0	14.3	
7	• 0	.2	5.0	.8	*	.0	6.1	
8-9	•0	.1	1.2	.3	.0	.0	1.6	
10-11	.0	.0	.4	.5	.0	.0	.9	
12	• 0	.0	.1	.0	.0	.0	.1	
13-16	.0	.0	.1	.1	.0	.0	.2	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	•0	• 0	.0	.0	.0	.0	.0	
23-25	•0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	•0	.0	.0	.0	.0	.0	.0	
71-86	• 0	.0	.0	.0	.0	.0	.0	
87+	• 0	.0	.0	.0	.0	.0	.0	
								3416
TOT PCT	7.1	43.8	45.9	3.2	*	.0	100.0	

PERIOD: (PRIMARY) 1924-1973 (DVER-ALL) 1855-1973

TABLE 1

AREA 0008 DAKAR 14.9N 17.9W

PERCENT	FREQUENCY	OF	WEATHER	OCCURRENCE	BY	WIND	DIRECTION

						or to very manage									
			P	RECIPI	TATIO	N TYPE					DTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	FUG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNDW	NO SIG WEA
N NE	.0	.0	.1	.0	.0	.0	.0	•1	.0	.5	4.8	.1	9.2		83.5
inc.			•			•0	.0		.0	.5	4.2	.1	10.6		78.9
	.0	.0	.0	.0	.0	• 0	.0	• 0	.0	.0	2.8	.0	15.9	7.5	73.8
SE	.0	.0	.0	.0	.0	• 0	.0	• 0	.0	.0	9.1	.0	7.6	1.5	81.8
5	.0	3.1	.0	.0	.0	• 0	.0	3.1	.0	.0	17.2	.0	9.4	2.3	68.0
SW	.0	.0	.0	.0	.0	• 0	.0	.0	.0	2.2	7.7	.0	10.4	2.2	77.5
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.4	13.6	.0	13.8	2.0	68.2
NW		.0	.1	.0	.0	.0	.0		.1	. 8	7.5		11.1	2.4	78.0
VAR	.0	.0	.0	.0	.0		.0	•1							
CALM	.0				.0	• 0		•0	.0	.0	.0	.0	.0	.0	.0
CALH	.0	.0	.0	.0	.0	• 0	.0	•0	.0	.0	9.7	.0	10.8	3.2	76.3
TOT PCT TOT OBS:	7437		.1	.0	.0	.0	.0	.1		.6	5.3	.1	9.8	2.7	81.5

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN	ORZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	NO SIG WEA
00603	.1	.0	.1	.0	.0	.0	.0	•2	.0	.8	4.1	.1	8.6	2.5	83.7
90360	.0	• 1	.1	.0	.0	• 0	.0	• 1	.1	1.2	5.9	.0	8.6	2.4	81.7
12615	.0	.1	.0	.0	.0	• 0	.0	.1	.0	.0	5.5	.2	11.3	2.9	80.1
18821	• 1	•0	.1	.0	.0	•0	.0	• 1	•0	.3	5.7	.0	10.8	2.9	80.2
TOT PCT	7605		+1	.0	.0	•0	.0	•1		.6	5.3	.1	9.9	2.7	81.4

TARLE

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		WI	ND SPE	ED (KN	OTS)								HOUR	(GHT)				
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	FREQ	MEAN SPD	00	03	06	09	12	15	18	21	
N NE	1.1	21.6	35.8	2.8	.1	.0		61.4	12.7	62.1	70.4	62.6	57.5	60.9	65.1	63.1	56.4	
E	. 2	. 8	.3	*	*	.0		1.4	8.6	.9	.4	1.1	2.0	2.4	. 8			
SE	*	.1	*	.0	.0	.0		.2	7.9	.2	.0	.1	. 2	.4	.1	.1	.1	
S	.1	. 2	.1	.0		.0		.4	7.8	.5	1.4	.4	.2	.4	.4		. 4	
SW	. 2	.4	*	.0	.0	.0		.6	5.6	.9	.9	.6	. 3	.5	.0	.6	. 8	
W	.3	1.0	.1		.0	.0		1.5	6.2	1.9	1.0	1.8	1.1	.7	1.6	1.7	1.9	
NW	.7	7.0	4.4		.0	.0		12.2	9.7	15.2	15.3	12.5	8.4	9.1	14.0		14.1	
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	1.2							1.2	.0	1.3	1.1	1.8	1.5	.9	2.2	.9	. 8	
TOT OBS	580	5142	6919	616	12	0	13269		12.0	2518	175	2629	1154	2734	182		1187	
TOT PCT	4.4	38.8	52.1	4.5		.0		100.0			100.0	100.0	100.0			100-0		

TABLE 3A

						-						
WND DIR	0-6	WIND 7-16	SPEED 17-27	(KNDTS) 28-40	41+	TOTAL	PCT	MEAN SPD	00	HDU9 06 09	(GMT 12 15	18 21
N NE E SE S W WWW VAR CALM DBS TOT DBS TOT TOT TOT TOT TOT TOT TOT TOT TOT TO	6.8 2.7 .6 .1 .2 .4 1.0 3.3 .0 1.2 2183	39.4 12.3 .7 .1 .2 .2 .5 7.8 .0	14.8 5.7 .1 * * 1.0 .0	.3 .4 * .0 .0 .0 .0 .0 .0	.00	13269	61.4 21.1 1.4 .2 .4 .6 1.5 12.2 .0 1.2	12.7 13.0 8.6 7.9 7.8 5.6 6.2 9.7 .0	62.7 16.5 .9 .2 .5 .9 1.8 15.2 .0 1.3 2793	61.0 22.0 1.4 .1 .3 .5 1.6 11.3 .0 1.7 3783	61.2 24.1 2.3 .4 .4 .4 .8 9.4 .0 1.0 2916	61.0 21.2 1.0 .1 .4 .6 1.8 12.9 .0

MARCH

PERIOD: (PRIMARY) 1924-1973 (OVER-ALL) 1855-1973

TABLE 4 AREA 0008 DAKAR 14.9N 17.9W

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

				WIND	SPEED (KNOTSI			PCT	TOTAL
HOUR	CALM	1-3	4-10	11-21	22-33	34-47	48+	MEAN	FREQ	OBS
00603	1.3	3.3	39.3	52.0	4.1		.0	11.8	100.0	2793
90300	1.7	3.0	40.5	50.0	4.7	.1	.0	11.8	100.0	3783
12615	1.0	3.1	36.8	53.8	5.2	.1	.0	12.3	100.0	2916
18821	.9	3.1	38.1	53.2	4.6	.1	.0	12.1	100.0	3777
TOT	165	415	5142	6919	616	12	0	12.0		13269
PCT	1.2	3.1	38.8	52.1	4.6	.1	.0		100.0	

			TA	ABLE 5								TA	BLE 6					
P	CT FRE			LOUD A		EIGHTHS)							CEILIN NH <5/					
WND DIR	0-2	3-4	5-7	8 & 085CD	TOTAL OBS	MEAN CLOUD COVER	000 149	150 299	300 599	600	1000	2000 3499	3500 4999	5000 6499	6500 7999		NH <5/8 ANY HGT	TOTAL
N NE	50.9	6.3	7.6	3.0		1.5	.0	.1	.2	.5	1.4	1.1	.6	.4	.3	1.1	62.1	
E SE	.6	.2	.5	.1		2.5	.0	.0	.0	.0	.0	*1	.0	*	.0	.0	.8	
SW	.4	.1	.1	*		1.1	.0	.0	.0	.0	.0	*	.0	.0	.0	.0	.6	
NW NW	1.0	1.2	1.4	.1		1.5	.0	*	.0	.0	.2	.0	.0	*	.0	.2	1.3	
CALM	1.0	.0	.0	.0		1.6	• • •	.0	.0	•0	•0	.0	*	.0		•0	1.3	
TOT OBS	74.1	611	700	271	6119	1.6	.1	.1	.3	50	119	112	.9	35	23	101	5590 91.4	100.0

TABLE 7

CUMULATIVE PCT	FREQ OF	SIMULTANFOU	S DCCURRENCE
OF CEILING HE			

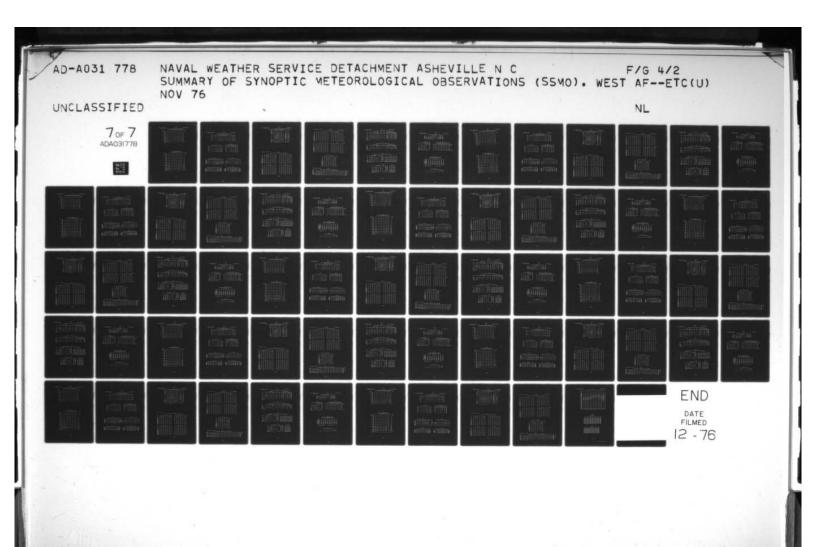
					VSBY (NM)			
	CEILING	· DR	= OR	· OR	- OR	= OR	= OR	# OR	# DR
	(FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
. 0	R >6500	1.1	1.9	2.0	2.0	2.0	2.0	2.0	2.0
. 0	R >5000	1.5	2.4	2.6	2.6	2.6	2.6	2.6	2.6
. 0	R >3500	2.2	3.3	3.5	3.6	3.6	3.6	3.6	3.6
= 0	R >2000	3.1	5.0	5.3	5.3	5.3	5.3	5.3	5.3
. 0	R >1000	4.3	6.7	7.2	7.2	7.2	7.2	7.2	7.2
. 0	R >600	4.8	7.5	8.0	8.0	8.0	8.0	8.0	8.0
. 0	R >300	4.9	7.7	8.3	8.3	8.3	8.3	8.4	8.4
	R >150	4.9	7.8	8.4	8.4	8.4	8.4	8.4	8.4
	R > 0	4.9	7.8	8.5	8.5	8.5	8.5	8.5	8.5
	TOTAL	304	487	526	528	528	528	529	529

TOTAL NUMBER OF OBS: 6214 PCT FREQ NH <5/8: 91.5

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 DBSCD DBS 72.3 8.0 4.2 3.5 2.6 1.9 2.5 2.1 2.8 .1 6403



MARCH

PERIOD:	(PRIMARY)	1924-1973
	(DUED-ALL)	1855-1972

TABLE 8

AREA 0008 DAKAR

		,	ERCENT	PRECI	PITATI	DIREC	TION H VAR	VS DCC	ALUES	OF VIS	IBILI	CURRENC	E OF
SBY NM)		N	NE	•	SE	5	SW		NW	VAR	CALM	PCT	TOTAL
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2	NO PCP	.1		.0	.0			.0	.1	.0	.0	.1	
	TOT &	.1		.0	.0			.0	.1	.0	.0	.1	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
124	NO PCP	1.2	.3					.1	.4	.0	.0	2.0	
	TOT &	1.2	.3		•	•	•	.1	.4	.0	.0	2.0	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<2	NO PCP	. 8	.5	.1	.0			.1	.3	.0	.0	1.7	
	TOT &		.5	.1	.0			.1	.3	.0	.0	1.7	
	PCP	.0	.0	:1	.0	.0	.0	.0	.0	.0	.0	.0	
<5	NO PCP	3.3	.9	.1			:0	.2	.9	.0	.2		
	TOT &	3.3	.9	.1			.1	.2	.9	.0	.2	5.6	
	PCP	.1		.0	.0		.0	.0		.0	.0	.1	
<10	NO PCP	17.9	4.7	.4		.1	.0	.7	5.3	.0	.7	30.1	
	TOT %	18.0	4.7	:	•	.1	.2	:7	5.3	.0	.7	30.2	
	PCP	.0	.0	.5	.0	.0	.0	:°7	.0	.0	.0		
0+	NO PCP	42.8	8.5	.5	.2	.2	.3	.7	6.7	.0	.4	60.3	
	TOT \$	42.8	5.5	.5	.2	.2	.3	.7	6.7	.0	.4	60.3	
	TOT 085												7416
	TOT PCT	66.1	14.9	1.1	.2	.4	.6	1.7	13.7	.0	1.2	100.0	

TABLE 9

				PERCENT	FREG	OF WIN	D DIR	S OF	ISIBIL	ND SPE	ED		
VSBY (MM)	SPD KTS	N	NE	E	SE	s	SW	W	NW	VAR	CALM	PCT	TOTAL
	0-3	.0	.0	.0	.0			.0	.0	.0			
<1/2	4-10				.0	.0	.0		.1	.0		.1	
	11-21				.0	.0	.0	.0		.0		.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %		•	•	.0				.1	.0		.2	
	0-3			.0	.0	.0	.0	.0		.0	.0	.1	
1/2<1	4-10	.3	.1					.1	.1	.0		.6	
	11-21	.5	.1	.0	.0	.0	.0	.0	.1	.0		.7	
	22+	.1	.1	.0	.0	.0	.0	.0		.0		.1	
	TOT \$.9	.2					.1	.3	.0	.0	1.6	
	0-3	.1			.0	.0			.1	.0	.1	.3	
1<2	4-10	.3	.2		.0				.2	.0		.8	
	11-21	.3	.2		.0	.0	.0		.1	.0		.6	
	22+			.0	.0	.0	.0	.0	.0	.0			
	TOT \$.7	.4	1	.0			.1	.3	.0	.1	1.7	
	0-3	.1	.1				.1	.1	.1	.0	.2	.6	
245	4-10	1.6	.5	.1				.1	.6	.0		3.0	
	11-21	1.6	.4		.0				.3	.0		2.4	
	22+	.1		.0	.0	.0	.0	.0		.0		.2	
	TOT \$	3.5	1.1	•1			.1	.2	1.0	.0	•2	6.1	
	0-3	.4	.2			.1	.1	.2	.3	.0	.6	1.9	
5<10	4-10	6.1	2.0	.3		.1	.2	.4	2.9	.0		12.1	
	11-21	9.9	2.6	.1	.0			.1	1.9	.0		14.6	
	22+	.8	.4		.0	.0	.0		.1	.0		1.3	
	TOT \$	17.2	5,3	.5		.1	• 2	.7	5.2	.0	.6	29.9	
	0-3	.5	.2	.1				.1	.3	.0	.4	1.7	
10+	4-10	13.0	3.6	.3	.1	.1	.2	.4	3.5	.0		21.2	
	11-21	25.8	6.3	.1	.1	.1		.1	2.5	.0		35.0	
	22+	1.6	,8		.0	.0	.0	.0		.0		2.5	
	TOT %	41.0	11.0	.5	.1	.2	.3	.6	6.4	.0	.4	60.5	
	TOT 085												9933
1	TOT PCT	63.4	18.0	1.2	.2	.4	.6	1.7	13.2	.0	1.3	100.0	

MARCH

AREA 0008 DAKAR 14.9N 17.9W

PERIOD: (PRIMARY) 1924-1973 TABLE 10

PEPCENT FREQUENCY OF CEILING HFIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 by HOUR

HOUR 000 150 300 600 1000 2000 3500 5000 5000 9000+ TOTAL N

HOUR (GMT)	149	150 299	300 599	999	1999		3500 4999			9000+	TOTAL	NH <5/8 ANY HGT	TOTAL	
60300	.1	.1	.1	.5	1.3	1.2	.6	.5	.2	1.6	6.2	93.8	1526	
06609	.1	.2	.5	.9	2.5	2.1	1.1	.1	.4	1.7	9.7	90.3	1543	
12615	.1	.0	.4	1.0	1.9	2.6	.9	1.0	.4	1.5	9.8	90.2	1699	
18621	.0	.1	.3	.7	1.9	1.1	1.1	.6	.4	1.6	7.9	92.1	1575	
TOT	.1	.1	20	50	121	113	60	36	23	102	536	5809	6345	

TABLE 11 TABLE 12 PERCENT FREQUENCY VSBY (NM) BY HOUR 00403 1.1 4.8 2269 00603 6.3 5.2 90300 1.9 1.9 5.2 90300 7.0 7.7 12615 1.2 9.5 18621 TOT PCT

TABLE 13 TABLE 14 PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP PERCENT FREQUENCY OF WIND DIRECTION BY TEMP 0-29 30-39 40-49 50-59 60-69 70-79 80-89 90-100 OBS TEMP F .0 .0 1.5 .3 14.6 5.2 25.9 14.7 1.6 2.2 .0 8 2715 1390 43.7 22.4 * .0 .3 .1 1.4 3.1 3.9 13.9 1.0 8.6 .0 .0 413 1615 6.6 26.0 85/89 80/84 75/79 70/74 65/69 60/64 55/59 TOTAL PCT .0 .5 .7 .1 .0 .0 75 .0.0.0 .00.000000 .0000000 .0 6216 100.0 67.0 14.9 .0

TABLE 15

TABLE 15

TABLE 16

MEANS, EXTREMES AND PERCEITILES OF TEMP (DEG F) BY HOUR

HOUR MAX 99% 95% 50% 5% 1% MIN MEAN TOTAL DBS (GMT)

00609 81 75 73 68 64 62 96 67.9 2833 00603 .0 .3 3.2 16.3 46.2 34.1 85 1544

00609 85 75 73 68 64 62 96 67.9 2838 06609 .0 .5 3.4 16.6 46.1 33.4 85 1598

12619 88 82 78 71 66 64 59 71.3 2902 12615 .0 3.5 12.2 36.6 38.6 9.1 78 1633

18621 88 81 77 70 65 64 57 70.4 3760 18621 .0 1.2 7.8 33.5 43.1 14.5 80 1584

TOT 88 79 76 69 64 60 57 69.4 13283 TOT 0 89 426 1644 2762 1438 82 6359

-		

LEKION.	(PRIMARY)	1454-1413

TA			7

AREA 0008 DAKAR 14.9N 17.9W

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF POG (WITHOUT PRE VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)	ECIPITATION)
----------------------------------------------------------------------------------------------------------------------	--------------

AIR-SEA THP DIF	57	61	65	69 72	73 76	77 80	#1 64	**	TOT	FOG	FOG
20/22	.0	.0	.0	.0	:0	.0	.0		3 7	.0	
17/19	.0	.0	.0	.0	.0	:		:		.0	.1
14/10	.0	.0	.0	.0			.1	.0			.1
11/13	.0	.0			.1	.2	.2	•	43		.6
9/10	.0	.0		.1	.3	.3			58	.1	
7/8	.0		.1	.6	1.1	.7	.1	.0	180	.2	2.4
	.0	.0	.2	1.0	.9	.3	.1	.0	166	.2	2.2
5	.0		.7	2.2	1.9	.3		.0	347	.3	4.8
4	.0	.1	1.5	3.3	1.9	.5	.1	.0	506	.4	7.0
3	.0	.1	2.8	4.9	2.1	.2	.0	.0	695	.6	9.6
2	.0	.4	4.6	6.1	1.7	.3	.1	.0	909	1.0	12.3
2	.0		7.1	7.2	1.7	.2	.0	.0	1161	1.2	15.8
ō	.0		7.0	6.3	1.4	.1		.0	1062	.7	14.8
-1	.0	.5	5.7	3.9				.0	753	.4	10.6
-2	.0	.5	2.8	2.1	.4	.1		.0	406	.2	5.7
-2	.0	.3	1.9	1.1	.1		.0	.0	242	.1	3.5
-4	.0	.2	1.2		ii	.1	.0	.0	148	.1	2.1
-5		.2	.,5		:1	.0		.0	65		.,
	.0			.2			.0				• • •
-6	.0	.1	.4	.2		.0	.0	.0	42		.6
-7/-8			.1	.1		.0	.0	.0	19	.0	.3
-9/-10	.0	.0				.0	.0	.0	9		.1
-11/-13	.0	.0			.0	.0	.0	.0	3		
TOTAL	2		2517		1014		53			364	6448
		285		2728		224		9	6832		
PCT		4.2	36.8	39.9	14.8	3.3	.6	.1	100.0	5.6	94.4

PERIOD: (OVER-ALL) 1963-1973

TABLE 1

								TABLE	18						
				PC	T FREQ I	F WIND	SPEED	(KTS) AND	DIRE	CTION V	ERSUS S	EA HEIG	HTS (FT		
				N					934		190 30	NE			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.5	2.0	7.0	.0	.0	.0	2.7		.3	.5	. :	.0	.0	.0	.9
1-2	.9	10.3	16.3	.0	•0	.0	23.4		.2	2.4	1.2	.0	.0	.0	3.9
5-6	-1	1.8	13.3	1.2	.0	.0				1.7	2.3	.2	.0	.0	
7	.0	.2	4.6	1:5	•0	:0	16.2		.0	.3	.9	:3	.0	.0	1.2
8-9	.0	.0	1.4	.5	.0	.0	1.9		.0	.1	.3	:2	.0	.0	.5
10-11	.0	.1	.4	.3	.0	.0			.0	.0		.1	.0	.0	.1
12	.0	:0		.1		.0	.1		.0	.0				.0	i.i
13-16	.0	.0	.1	.1	.0	.0	.2		.0	.0	.0		.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	:0		.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
33-40 41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	:0		.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.4	20.7	43.4	3.4		.0	68.9		.6	5.0	7.0	1.2	•	.0	13.6
												SE			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT
<1		.2	.0	.0	.0	.0	;3		.0	.0	.0	.0	.0	.0	.0
1-2	.1	.1	.1	.0	.0	.0	.3			.1	.0	.0	.0	.0	.1
3-4	.0	.3	.1	.0	.0	.0	.4		.0		.1	.0	.0	.0	.1
5-6	.0	.0	.1	.0	•0	.0	.1		.0		.1	.0	.0	.0	.1
8-9	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	•0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	:0		.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	:0		.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
TOT PCT	.1	.7	.3	.0	.0	.0	1.1			.1	.1	.0	.0	.0	.3

-3	4-10 -1	11-21		T FREQ :		SPEED		18 (C						14,	DAKAR 9N 17	.94
.0000	.i	.0	5 22-33			SPEED										
.0000	.i	.0	5 22-33			ZAFEO	(K.2)	WWD D						COLUMN TO STATE OF THE PARTY OF		
.0000	.i	.0	22-33	34-47					INEC	IIDM	AEK202	SEN HETO	HIS CFI			
.0000	.i	.0			49+	PC7		1	-3	4-10	11-21	22-33	34-47	48+	PCT	
.0				.0	.0					.1	.0	.0	.0	.0	.1	
.0			.0	.0	.0	.1				.1		.0	.0	.0	.1	
.0	-0	.1	.0	.0	.0	.1			.0			.0	.0	.0	.1	
		.1	.0	.0	.0	.1			.0	.0		.0	.0	.0		
.0	.0		.0	.0	.0				.0	.0		.0	.0	.0		
	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
						.0										
						.0										
.0																
•	.1	.3	.0	.0	.0	.4				.2	.1	.0	.0	.0	.3	
						there ex						NW			IDEX IS	TOTAL
																PCT
											.1					
						.4										
												200				
		- A														
												A 2000 To.				
.0																
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.0	.0	.0	.0	.0							.0		.0			
.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
.4	.6	.2	.0	.0	.0	1.2			.5	6.4	5.3	-1	.0	.0	12.3	98.3
	322100000000000000000000000000000000000	.0	3 4-10 11-21 2 -3 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0 10 -0 -0	3 4-10 11-21 22-33 -2 -3 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0	00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	00	00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	00	00	00	00	00	00	00	00	00

	MIND	SPEFD	(KTS)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	3.4	4.4	.3	.0	.0	.0	8.1	-
1-2	1.9	16.6	9.2	.0	.0	.0	27.7	
3-4	.2	10.0	21.0	.9	.0	.0	32.1	
5-6	.0	2.4	17.0	1.6	.0	.0	21.0	
7	.0	.3	6.1			.0	7.2	
8-9	.0	.0	1.8	.7	.0	.0	2.5	
10-11	.0	.1	.5	.4	.0	.0	1.0	
12	.0	.0	.1	.1	.1	.0	.2	
13-16	.0	.0	.1	.1	.0	.0	.2	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	•0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
			TO YOU		3 3 3	Carl Line		3859
TOT PCT	5.5	33.7	56.1	4.6	.1	.0	100.0	

PERIOD: (PRIMARY) 1924-1973 (QVER-ALL) 1855-1973

TABLE 1

AREA 0008 DAKAR 14.9N 17.9W

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE												PHEND	MENA	
WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HATL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	FUG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	NO SIG WEA
N NE	:			:0	:0	:0	:0	• 1	:1	:3	3:5	:8	13.0	3.6	77:3
, ne	.0	.0	.0		:0		.0			2.3	.0	.0	17.3		75.7
se	.0	.0	.0	.0	.0	.0	.0	.0	.0		13.6	.0	.0	.0	86.2
	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.3	.0	19.3	5.5	67.0
ću.	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.5	15.1	.0	10.3	7.6	60.5
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	12.3	.0	14.1	8.6	63.3
NW		.0	.0	.0	.0	.0	.0				10.0	.0	18.0	2.9	68.1
VAR	.0	.0	.0	.0		.0	.0	.0	.0		.0	.0	.0	.0	.0
CALM	.0	.0	:0	:0	:0	.0	.0	:0	:0	:0	15.7	.0	15.7	7.1	61.4
TOT PCT TOT 085:	7223	•	٠	.0	.0	•0	•0	•1	•1	.6	6.6	.0	13.5	3.6	75.6

TABLE 2

PERCENT	FREDILENCY	DF	WEATHER	DECURRENCE	RY	HOUR

			,	RECIPI	TATTO	N TYPE					OTHER	WEATHER	PHEND	MENA	
HOUR (GHT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HATL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	
60300	.0	.1	.1	.0	.0	.0	.0	.1	.1		5.7	.0	12.0	3.4	77.9
90300	.1	.0	.2	.0	.0	.0	.0	.3	.1	1.2	7.6	.0	10.4	3.2	77.2
12615	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	6.6	.0	15.6	4.4	73.3
18621	.0	.0	.0	.0	.0	•0	.0	•0	.0	.3	7.0	•0	16.3	3.5	72.9
TOT PCT TOT 065:	7391	•	.1	.0	.0	•0	.0	•1	.1	.6	6.7	•0	13.6	3.6	75.3

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WND DIR	0-3			22-33	34-47	48+	TOTAL OBS	PCT	MEAN SPD	00	03	06	HOUR 09	(GMT)	15	18	21	
N NE	1.0	20.2	38.2	2.9	:	.0		62.4	13.0	62.1		62.4	60.1	64.4	67.1	62.9		
		.3	.3		.0	.0		.6	11.3	.4	.0	.5	.9	.9	1.0	.5	.5	
SE		.1	.1	.0	.0	.0		.1	8.5	.2	.0	.2	.0	.3	.0		.1	
S	.1	.2		.0	.0	.0		.3	6.0	.4	.0	.3	.1	.4	.9	.3	.4	
SW	:2	.5	.1		.0	.0			6.4	.9	.5	1.1	.8	.5	.8	.5	.9	
	.5	2.2	.3	.0		.0		3.0	6.6	3.6	3.8	3.0	3.2	2.1	2.3	3.1	3.5	
NW	:5	9.0	6.4	.5	.0	.0		16.3	10.2	18.8	18.0	16.9	14.1	12.4	15.0	17.1	18.7	
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	1.0							1.0	.0	1.2	1.6	1.7	.9	.7	1.0	.5	1.1	
TOT OBS	486	4712	6900	584	5	0	12687		12.2	2526	190	2457	1109	2578	192	2512	1123	
TOT PCT	3.8	37.1	54.4	4.6		.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

					,,,,,							
WHD DIR	0-6		SPEED 17-27	(KNOTS) 28-40	41+	TOTAL	PCT	MEAN SPD	00	HDUI 06 09	12 15	18
N NE E SE S SW	5.7 1.5 .2 .1 .2	40.3 6.7 .3 .1 .3	16.0	.0	.0		62.4 15.4 .6 .1	13.0 13.7 11.3 6.5 6.0 6.4	62.5 12.1 .4 .2 .3	61.7 15.9 .6 .1 .2	64.6 17.8 .9 .3	61.4 15.5 .5 .1
W NW VAR CALM TOT OBS TOT PCT	1.7 3.8 .0 1.0 1872 14.8	10.8	1.7 .0 2908 22.9		1	12687	3.0 16.3 1.0 1.0	10.2	3.6 18.8 .0 1.3 2716 100.0	3.0 16.0 1.4 3566 100.0	2.1 12.6 .0 2770 100.0	3635

PERIOD: (PRIMARY) 1924-1973
(QVER-ALL) 1855-1973

TABLE 4

PERCENTAGE PREQUENCY OF MIND SPEED BY HUUR (GHT)

MIND SPEED (KNOTS)

HOUR CALM 1-3 4-10 11-21 22-33 34-47 4# HEAN FREQ OBS

00603 1.3 3.1 37.6 54.1 3.9 4 .0 12.0 100.0 2716
00609 1.4 3.2 38.5 52.5 4.3 .0 .0 11.9 100.0 3566
12615 48 2.8 35.7 55.2 5.5 1. 0.0 12.5 100.0 2770
18621 .7 2.2 36.5 55.8 4.8 4 .0 12.5 100.0 2770
18621 .7 2.2 36.5 55.8 4.8 5 .0 12.4 100.0 3635
YOT 130 396 4712 6900 584 5 0 12.2 12.6 100.0

0

0

0

TABLE 5 TABLE 6 PCT FREQ OF TOTAL CLOUD ANGUNT (EIGHTHS)
BY WIND DIRECTION PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION MEAN CLOUD COVER 5-7 8 & TOTAL DESCO DES 000 150 149 299 3.4 .6 .1 .0 .3 1.3 .0 .2 350 5980 5.9 100.0 N NE E SE S SW W NAW YAR CALM TOT OBS 1.3 61.0 .1 10.4 * .6 * .1 * .5 .1 2.1 .4 13.7 .0 .0 .1 .9 120 5359 2.0 89.6 .0 .0 .0 .1 .0 .0 .27 .51 .0 .0 .0 .0 .0 .0 .0 .1 1.3 .0 .0 .0 .5 .5 .0 * .3 .1 .0 .0 .0 .0 .1 .0 .1 35 .6 0.5 1.9 .1 .0 .1 .3 2.1 .0 .1 787 13.2

TABLE 7
CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING MEIGHT (MM >4/8) AND YSBY (NN)

				VSBY (NH	1)			
CEILING	. OR	. DR	. DR	- OR	. OR	- DR	. OR	. DR
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
- OR >6500	1.0	2.1	2.5	2.5	2.6	2.6	2.6	2.6
■ DR >5000	1.1	2.3	2.8	2.5	2.6	2.9	2.9	2.9
- OR >3500	1.9	3.6	4.3	4.3	4.3	4.3	4.3	4.3
• Dk >2000	3.2	5.6	6.5	6.5	6.5	6.5	6.5	6.5
. OR >1000	4.7	7.7	8.8	8.8	8.8	8.8	8.8	8.8
. OR >600	5.1	8.6	9.8	9.8	9.9	9.9	9.9	9.9
■ DR >300	5.1	8.7	9.9	9.9	10.0	10.0	10.0	10.0
• OR >150	5.1	8.7	9.9	9.9	10.0	10.0	10.0	10.0
. OR > 0	5.2	9.0	10.3	10.3	10.4	10.4	10.4	10.4
TOTAL	315	544	623	626	631	631	632	632

TOTAL NUMBER OF 085: 6077 PCT FREQ NH <5/8: 89.6

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 08SCD 08S 66.3 8.2 6.3 4.8 3.5 2.5 2.5 2.5 3.0 .4 6256

(OVER-ALL)	1433-11		ERCENT	-			TION							17.
			NE	FRECI	SF	5	H VAR	, THE A	ALUES I	VAR	CALM	PCT	TOTAL	
VSE			us		36	,			N#	VAR	CALM	,,,	OBS	
	PCP	.0		.0	.0	.0	.0	.0	.0	.0	.0			
<1/				.0	.0	.0		:1		:0		.2		
	TOT \$	•		.0	.0	.0		.1		.0		.2		
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
1/2			.3	.0	.0		.0	.1	.0	.0		2.8		
	TOT S	1.7	.3	.0	.0	•	.1	.1	.6	.0		2.8		
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
1<2			.1	.0	.0	:		:1	.6	.0		2.1		
	TOT &	1.2	-1	.0	.0		•	.1	.6	.0		2.1		
	PCP	4:7	.0	.0	.0	.0	.0	:4	.0	.0	.0	.0		
2<5		4.7	.5	.0	.0	.0	.0	.4	1.9	.0	.2	7.9		
	101 \$	4.7	.5	•			.1	.4	1.9	.0	.5	7.9		
	PCP		.0	.0	.0	.0	.0	.0		.0	.0			
5<1			3.9	.3	.1	.1	.2	1.2	6.2	.0	.4	34.5		
	101 ×	22.1	3.9	.3	.1	.1	.2	1.2	6.2	.0	.4	34.6		
	PCP			.3	.0	.0	.0	:0		.0	.0			
104			7.1	.3	.1	.2	.2	.9	7.1	.0	.3			
	TOT &	36.2	7.1	.3	•1	.2	•2	.9	7.1	.0	.3	52.4		
	TOT 085												7213	
	TOT PCT	66.0	12.0	.6	.2	.4	.6	2.8	16.4	.0	1.0	100.0		

TABLE 9

			,	ERCENT	FRED	DF WIN	D DIR	ECTION S OF V	ISIBIL	ND SPE	ED		
VSBY (NM)	SPD	N	NE	E	SE	s	SW	w	NW	VAR	CALM	PCT	TOTAL
	0-3		.0	.0	.0	.0	.0			.0		.1	
<1/2	4-10			.0	.0	.0				.0		.1	
	11-21	.0		.0	.0	.0	.0	.0	.0	.0			
	224			.0	.0	.0	.0	.0	.0	.0			
	707 %			.0	.0	.0		.1		.0		.2	
	0-3			.0	.0					.0		.1	
1/2<1	4-10	.6	.1	.0	.0		.1	.1	.3	.0		1.1	
	11-21	.7	.2	.0	.0	.0	.0		.2	.0		1.0	
	22+			.0	.0	.0	.0	.0	.0	.0			
	TOT \$	1.3	.3	.0	.0		.1	.1	.5	.0		2.2	
	0-3		.0	.0	.0	.0				.0		.1	
1<2	4-10	.4		.0	.0			.1	.4	.0		1.0	
	11-21	.5	.1	.0	.0	.0	.0	.0	.1	.0		.7	
	22+			.0	.0	.0	.0	.0	.0	.0			
	TOT %	1.0	.1	.0	.0		.1	.1	.6	.0		1.9	
	0-3	.2						.1	.2	.0	.2	.7	
245	4-10	1.6	.2		.0		.1	.3	1.0	.0		3.3	
	11-21	2.2	.2	.0		.0			.7	.0		3.1	
	22+	.3	.1	.0	.0	.0	.0	.0		.0		.3	
	TOT \$	4.3	.5				.1	.4	1.8	.0	.2	7.4	
	0-3	.4	.1	.0		.1		.2	.3	.0	.5	1.5	
5<10	4-10	7.0	1.3	.1		.1	.2	.9	3.4	.0		12.9	
	11-21	12.7	2.2	.1				.1	2.5	.0		17.7	
	22+	1.0	.4	.0	.0	.0	.0	.0	.1	.0	711	1.4	
	TOT %	21.1	4.0	.2		• 2	.2	1.2	6.3	.0	.5	33.6	
	0-3	.4	.1		.0			:17	.2	.0	.3	1.3	
10+	4-10	10.3	2.4	.2		.1	.1	.7	3.8	.0		17.6	
	11-21	24.4	5.4	.2				.1	3.2	.0		33.4	
	22+	1.6	.7		.0	.0		.0	.1	.0		2.5	
	707 \$	36.8	8.6	.3	•1	•1	•2	.9	7.3	.0	.3	54.7	
	TOT 085							1			TOUT.	-	9656
	TOT PCT	64.5	13.5	.6	.1	.3	.6	2.8	16.5	.0	1.0	100.0	

APRIL

PERIOD: (PRIMARY) 1924-1973 (OVER-ALL) 1855-1973

TABLE 10

AREA 0008 DAKAR 14.9N 17.9W

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NM >4/8) AND OCCURRENCE OF NH <5/8 by HOUR

					COURSE									
HOUR (GHT)	000	150 299	300 599	999	1999	2000 3499	3500 4999	5000		8000+	TOTAL	NH <5/8 ANY HGT	TOTAL	
00603	.3	.0	.0	.6	1.5	1.8	1.4	.3	.6	2.0	8.6	91.4	1556	
06609	.5	.0	.2	1.6	2.4	2.8	2.0	.3	.3	2.3	12.3	87.7	1483	
12615	.7	.0	.1		2.3	2.0	1.2	.2	.7	1.5	9.4	90.6	1636	
18621	.3	.0	.1	1.0	2.7	2.2	1.3	.3	.7	2.3	10.8	89.2	1529	
TOT	27	.0	.1	1.0	139	134	90	18	35	124	635	5569	6204	

TABLE 11

TABLE 12

		PERCENT	FREQUEN	CY VSBY	(NH)	BY HOUR		CUMULAT	TVE PCT	FREQ	OF RAN	GES UF NH >4/8	VSBY (NM)	AND/OR
HOUR (GHT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL DBS	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL
00603		1.7	1.7	7.0	31.4	58.1	2248	00603	.3	.6	8.5	7.0	84.5	1521
90300	.4	2.3	1.8	6.5	34.5	54.4	2608	06609	.6	.8	9.2	9.0	81.7	1439
12615	.3	1.8	1.6	8,9	33,5	53.7	2313	12615	.7	1.1	12.0	6.5	81.6	1610
18621		2.8	2.4	7.8	35.6	51.4	2657	18621	.3	.5	11.5	8.5	80.0	1507
TOT	19	216	193	740 7.5	3325	5333	9826	TOT	28	45	630	468	4979	6077

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TOTAL PCT

TEMP F 0-29 30-39 40-49 50-59 60-69 70-79 80-89 90-100 OBS FREQ

85/89 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .1 .
80/84 .0 .0 .0 .1 .5 .5 .2 .8 86 1.4
75/79 .0 .0 .0 .3 1.6 4.9 2.9 1.0 644 10.7
70/74 .0 .0 .0 .2 2.9 12.1 15.9 6.2 2252 37.3
65/69 .0 .0 .0 .1 .7 8.6 24.9 13.6 2895 48.0
60/64 .0 .0 .0 .0 .0 .1 .1 1.1 1.3 155 2.6
1074L 0 0 4 4 353 1587 2711 1334 6033 100.0

TABLE 14

TABLE 15

TABLE 16

-89 90-100 MEAN TOTA
8.7 33.0 86 1523
7.6 34.1 86 1535
8.1 8.9 78 1566
4.8 14.2 81 1542
759 1383 83 6166
8784

PERIOD: (PRIMARY) 1924-1973 (OVER-ALL) 1855-1973

TABLE 17

AREA 0008 DAKAR 14.9N 17.9W

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	57	61	68	69 72	73 76	77 80	81	85	TOT	FOG	FOG
17/19	.0	.0	:0	.0	.0	.0		.0	3 7		
14/16	.0	.0	.0		.0		.1	.0		.0	.1
11/13	.0	.0	.0	.0	.1	.2	.1	•	30	.1	.4
9/10	.0	.0	.1	.2	.3	.3	.1	.0	62	.1	
7/8	.0		.1	.5	1.0	.6	.2	.0	152	.2	2.1
6	.0	.0	.2	.7	1.1	.3	.1	.0	156	.2	2.2
5	.0	.0	.5	1.7	1.5	.6	.1	.0	290	.4	4.1
4	.0	.0	1.3	2.7	1.0	.4	.1	.0	415	.4	5.9
3		.1	2.7	4.1	2.1	.5	.1	.0	629	.7	8.9
2	.0	.3	4.4	5.5	2.2	.7		.0	863	1.2	12.0
1	.0	.6	6.8	6.4	2.1	.6		.0	1087	1.5	15.1
0	.0	.5	7.3	5.8	1.8	.6		.0	1051	1.1	15.0
-1	.0	.4	5.1	4.3	1.6	.2	.0	.0	757	.7	10.8
-2	.0	.4	3.5	2.4		.2		.0	485	.5	6.9
-3	.0	.3	1.9	1.2	.5	.1	.0	.0	257	.1	3.8
-4	.0	.2	1.1	. 8	:3		.0	.0	151	.1	2.2
-5	.0	.1	.4	.5	.1	.1		.0	83	.1	1.2
-6	000000	.1	.2	.1			.0	.0	25		.4
-7/-8	.0		.2	.2	.1		.0	.0	31		::
-9/-10		:				.0	.0	.0			.1
-11/-13	.0		:	.1	.0	.0	.0	.0	7 2	.0	.1
-14/-16	.0	.0			.0	.0	.0	.0	2	.0	
TUTAL	:0		2334		1147		70			481	6070
		199		2438		359		1	6551		
PCT		3.0	35.6	37.2	17.5	5.5	1.1		100.0	7.3	92.7

PERIOD: (OVER-ALL) 1963-1973

TABLE 1

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT) 11-21 7.8 17.5 12.7 5.0 0 .0 .0 .0 .0 .0 HGT
<1
1-2
3-4
5-6
7
8-9
10-11
12
13-16
17-19
20-22
23-25
26-32
33-40
41-48
49-60
61-70
71-86
TOT PCT 4-10 1.5 8.8 6.9 1.4 .0 .0 .0 .0 .0 .0 .0 .0 48.00.00.00.00.00.00.00.00 PCT .4 3.1 3.3 2.0 1.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 1-3 HGT
<1
1-2
3-4
5-6
7
8-9
10-11
12
13-16
17-19
223-25
26-32
33-40
41-48
49-60
61-70
71-86
TT-86 1-3 48+

									AP	RIL							
PERIOD:	OVE	R-ALL)	1963-	1973				TABLE	18	CONT				AREA	0008		.9W
				PC	T FREQ C		SPEED	(KTS)	AND	DIREC	TION	VERSUS	SEA HEIG	HTS (FT	,		
HGT	1-3	4-10	11-21	\$ 22-33	34-47	48+	PCT			1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1		4-10	.0	.0	.0	.0	.1			1-3	.1			.0	.0	.1	
1-2		.1	.0	.0	.0	.0	:1			.1	.2			.0	.0	.3	
3-4	.0	.:	.0	.0	.0	.0								.0	.0		
5-6	.0	.0		.0	.0	.0				.0	.0			.0	.0		
7	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0		.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0		.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.1	.1	•	.0	.0	.0	.2			.1	.3	.1	.0	.0	.0		
													NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT			1-3	4-10	11-21		34-47	48+	PCT	PCT
<1	.3	.6	.0	.0	.0	.0	.8			.4	1.1	.1	.0	.0	.0	1.6	
1-2	.2	1.3		.0	.0	.0	1.5			.3	4.6	2.6	.0	.0	.0	7.4	
3-4	.0	.3	.1	.0	.0	.0	.4			.1	1.9	3.4	.1	.0	.0	5.4	
5-6	.0		.1	.0	.0	.0	.1				.3	1.4		.0	.0	1.7	
7	.0		.0	.0	.0	.0				.0	.1	4		.0	.0	.5	
8-9	.0	.0			.0	.0				.0				.0	.0	.1	
10-11	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0		
12	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0			.0	•0			.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
TOT PCT	.5	2.1	.0	.0	.0	.0	2.8			.0	.0			.0	.0	16.9	00 4
101 761	.,	2.1		.0	.0	.0	2.0			.,	8.0	8.0		.0	.0	10.9	98.6

	WIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	3.5	3.6	.3	.0	.0	.0	7.4	003
1-2	1.4	16.7	11.4	.0	.0	.0	29.6	
3-4	.3	9.7	23.2	.7	.0	.0	33.9	
5-6	•1	1.8	15.6	1.0	.0	.0	18.5	
7	.0	.4	6.1	1.2	.0	.0	7.7	
8-9	•0	.2	1.3	.5	.0	.0	2.0	
10-11	.0		.2	.5	.0	.0	.7	
12	•0	.0		.1		.0	.1	
13-16	.0	.0	.0		.0	.0		
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	•0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	•0	.0	.0	.0	.0	.0	.0	
33-40	•0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								3747
TOT PCT	5.3	32.4	58.3	4.0		.0	100.0	

TABLE 1

AREA 0008 DAKAR 14.9N 17.9W

PEPCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

				RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	HENA	
WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HATL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPH PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	NO SIG WEA
N NE E SE S S W NW	2.6 .0 2.5 .5	.1 .3 2.8 .0 .0	.1	.0		.0	.0	5.5 .0 2.5 .5	.1 .0 .0 .0	.7 .4 .0 .0 .0 .0 .5 1.5	5.7 6.0 7.6 9.1 10.0 11.5 5.5	.0 .0 .0 1.3 .2 .0	10.6 6.9 4.1 12.1 9.6 9.8 10.8	2.0 .6 2.1 .0 2.5 3.4 .5	80.7 85.6 80.7 78.8 74.2 74.1 81.7
CALM	.0	.0	.0	.0	:0	•0	.0	.0	1.4	2.7	9.6	1.4	13.7	:0	71.2
TOT PCT	7583	.1	.1	.0	.0	.0	.0	.2	.1		6.0		10.5	1.7	80.7

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

									0000		-				
			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HATL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WU PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	
00603 06609 12615 18621	.0	·1 ·2 ·0	.1 .2 .0	.0	.0	•0	.0	.2 .6 .0	:1 :1 :1	1.6	4.9 7.0 5.2 7.2	.0 .1 .1	9.2 9.7 11.4 11.7	1.5 1.2 2.1 2.0	82.5 80.3 81.1 78.5
TOT PCT	7741	.1	.1	.0	.0	.0	.0	.2	.1	.8	6.1		10.5	1.7	80.6

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		WI	ND SPE	ED CKN	OTS)								HOUR	(GHT)				
WNO DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	FREQ	SPD	00	03	06	09	12	15	18	21	
N NE	1.0	19.1	34.0		:	.0		36.9	12.9	54.8	59.8	56.5		59.6		58.7		
E	.1	.3	.2			.0		.6	9.8	.7	.0	.6		.7	.6	.3	.4	
SE		.1			.0	.0		.2	7.0	.2	.0	.3	.3	.2	.0		.1	
SW	.2	4	.1			.0		7	5.8	.5	1.5	8	7	1.0		.4	.3	
	.6	3.7	.1	.0	.0	.0		4.8	7.1	1.6	6.2	4.8	4.1	4.7	7.0	1.2		
NW	1.1	12.2	8.3	.3		.0		21.8	10.1	24.4	23.9	22.6			22.9	22.0		
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0		.0	.0	.0	.0	
TOT DBS	604	5298	6750	547	7	0	13206	1.1	0	1.6	1.2	2563	9	9	.0		1191	
TUT PCT	4.6	40.1	51.1	4.1	.1	.0	13200	100.0	11.8	2624			1184	2747	100.0	2562	100.0	

TABLE 3A

WND DIR	0-6	7-16	SPEED 17-27	(KNOTS) 28-40	41+	TOTAL	PCT	MEAN SPD	00	06 09	12 15	18 21
N NE	5.8	35.8	15.0	:3	:0		56.9	12.9	55.1	56.3	59.7	56.8
E	.2	.3	.1		.0		.6	9.8	.6		.7	.3
SE	.1			.0	.0		.2	7.0	.2		.2	
S	.5	.2		.0	.0		.7	5.8	.5	.8	1.0	.4
SW	.9	:3		.0	.0		1.5	6.3	1.7	1.6	1.4	1.2
W	2.5	2.3	.1		.0		4.8	7.1	5.3	4.6	4.8	4.6
NW	5.3	14.3	2.2		.0		21.8	10.1	24.4	21.5	18.9	22.5
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	1.1						1.1	.0	1.5	1.3	.9	.7
TOT OBS	2288	8021	2823	74	0	13206		11.8	2790	3747	2916	3753
TOT PCT	17.3	60.7	21.4	.6	-0		100.0		100.0	100.0	100.0	100.0

YAH

PERIOD: (PRIMARY) 1923-1973 (OVER-ALL) 1854-1973

TABLE 4

AREA 0008 DAKAR 14.9N 17.9W

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GHT)

HOUR	CALM	1-3	4-10	11-21		34-47	48+	MEAN	PCT	TOTAL
00603	1.5	3.3	40.4	50.1	4.6		.0	11.8	100.0	2790
90300	1.3	3.8	43.8	46.8	4.2		.0		100.0	3747
12615	.9	3.6	39.7	51.5	4.2	.1	.0	11.9	100.0	2916
18421	.7	3.1	36.5	55.8	3.7	.1	.0	12.1	100.0	3753
TOT	147	457	5298	6750	547	7	0	11.8		13206
PCT	1.1	3.5	40.1	51.1	4.1	.1	.0		100.0	

TABLE 5

TABLE 6

		8	A MINE	DIREC	TION	HEAN				AND DC	CUPREN	CE UF	NH <5/	8 BY W	IND D	RECTI	N	
NNO DIR	0-2	3-4	5-7	8 4	TOTAL	COVER	000	150 299	300 599	600 999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	
N.	34.5	8.6	12.2	5.6		2.7	.1	.1	.2	1.1	2.9	2.7	1.1	.5	. 5	2.1	49.7	
NE	3.3	1.3	1.9	.7		3.3				.2	.5	.5	.3				5.4	
E	.1		.2	.1		4.4	.0	.0	.0	.1		.1			.0	.0	.2	
SE				.0		3.9	.0	.0	.0		.0	.0	.0		.0	.0	.1	
5	.5		.2			2.4	.0	.0				.0		.0		.0	.7	
SW	.6	.2	.4	.2		3.8	.0	.0	.0		.1	.1			.1		1.1	
*	2.4	.9	1.2	.6		3.2	.0			.2	.2	.2	.1		.0	.2	4.2	
NW	11.3	3.6	5.4	2.4		3.1			.1	.5	1.3	1.4	.3	.2	.1	.7	18.2	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.6	.2	.2	.2		3.1		.0	.0		.1	.1		.0	.0	.1	.9	
OT OBS	3160	886	1291	584	5921	2.9	13	7	18	126	314	298	120	44	42	182	4757	592
OT PCT	53.4	15.0	21.8	9.9	100.0			.1	. 3	2.1	5.3	5.0	2.0	-7	.7	3.1		100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NH)

				VSBY (NH	1)			
CEILING	- DR	- DR	- OR	• OR	• nR	· DR	- DR	- DR
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
OR >6500	1.5	3.4	3.8	3.8	3.8	3.8	3.8	3.8
DR >5000	1.9	4.1	4.5	4.6	4.6	4.6	4.6	4.6
OR >3500	3.5	6.1	6.5	6.5	6.6	6.6	6.6	6.6
DR >2000	6.6	10.8	11.4	11.5	11.5	11.5	11.5	11.5
OR >1000	9.7	15.8	16.7	16.8	16.8	16.8	16.8	16.8
DR >600	11.0	17.9	18.8	18.9	18.9	19.0	19.0	19.0
OR >300	11.1	18.1	19.1	19.2	19.2	19.3	19.3	19.3
OR >150	11.1	18.2	19.2	19.3	19.4	19.4	19.4	19.4
DR > 0	11.1	18.3	19.4	19.5	19.5	19.5	19.6	19.6
TOTAL	667	1095	1163	1169	1170	1171	1172	1172

TOTAL NUMBER OF OBS: 5994 PCT FREQ NH <5/8: 80.4

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 DBSCD DBS 47.3 10.0 9.1 7.0 6.2 4.1 5.3 4.8 6.1 .2 6243

									MAY							
PER100:	(PRIMARY) 1 (OVER-ALL) 1	923-1973 854-1973						TAI	SLE 8				ARE	A 0008	DAKAR 14.9N	17.9W
			PI	ERCENT	FREQ OF	WING	DIRECTOR WIT	TION Y	ING V	ALUES O	F VIS	IBILIT	URRENC	E OF		
	VSBY (NM)		N	NE	•	SF	5	SW		NW	VAR	CALM	PCT	TOTAL		
	<1/2	PCP NO PCP	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0			
		TOT \$.0	.0	.0	.0	.0	•	•	;i	.0	•	:1			
		PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			
	1/2<1	NO PCP	1.7	.3	:	:	:	.1	.1	.8	.0	.0	3.0			
	1<2	PCP NO PCP	1.1	.0	.0	.0	.0	.0	.0 .1	:4	.0	.0	1.9			
	• • • • • • • • • • • • • • • • • • • •	TOT &	1.1	.2	•		•	•	ii	:4	:0		1.9			
		PCP NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			
	2<5	TOT &	2.2	.2	:0	:	:	.1	::	1.1	:0	.2	4.3			
	5<10	PCP NO PCP	22.6	2.4	:1	.0	.0	.4	2.0	9.4	.0	.0	37.7			
	,,,,	TOT &	22.7	2.4	ii	.1	.3	:4	2.1	9.4	:0	.3	37.8			
	10+	PCP ND PCP		4:7	.3	.0		.7	.0	:	.0	.0	1			
	10+	TOT %	32.2	4.7	.3	:	::	.7	2.2	11.7	.0	:4	52.8			

TABLE 9

TOT 085
TOT PCT 60.0 7.8 .5 .1 .8 1.4 4.9 23.5 .0 1.0 100.0

			P	FRCENT	FREG	OF WI	ND DIR	S OF V	VS WI	NO SPE	ED		
VSBY (NM)	SPD KTS	N	NE	E	SE	s	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
	0-3	.0	.0	.0	.0	.0	.0	.0		.0	*		
<1/2	4-10		.0	.0	.0	.0				.0		.1	
	11-21	.0	.0	.0	.0	.0	.0			.0			
	22+		.0	.0	.0	.0	.0	.0	.0	.0			
	TOT \$.0	.0	.0	.0			.1	.0	*	.1	
	0-3	.1			.0				.1	.0	.0	.2	
1/2<1	4-10	.6	.1		*		.1	.1	,3	.0		1.2	
	11-21	.6	.1	.0	.0	.0	.0		.2	.0		1.0	
	22+		.0	.0	.0	.0	.0	.0	.0	.0			
	TOT \$	1.3	.2	*			.1	.1	.6	.0	.0	2.4	
	0-3		.0	.0	.0	.0	.0	.0		.0	.1	.1	
1<2	4-10	.4						.1	.2	.0		.7	
	11-21	.6	.1	.0	.0	.0	.0		.1	.0		. 8	
	22+	.1		.0	.0	.0	.0	.0	.0	.0		.1	
	TOT %	1.0	.1					.1	.3	.0	•1	1.7	
	0-3	.1		.0		.0		.3	.1	.0	.3	.6	
2<5	4-10	1.0	.1				.1	.3	.7	.0		2.3	
	11-21	1.3	.2	.0	.0	*			.4	.0		2.0	
	22+	.1		.0	.0	.0	.0	.0		.0		.2	
	TOT %	2.5	.4		*	• 1	. 2	.3	1.2	.0	.3	5.0	
	0-3	.3				.1	.1	.2	.4	.0	.3	1.6	
5<10	4-10	6.5	.8			.2	.3	1.4	4.7	.0		14.0	
	11-21	13.5	1.8	.1		*	*	.3	3.6	.0		19.4	
	22+	1.2	.3		*	.0	.0	.0	.1	.0		1.7	
	TOT %	21.6	3.1	.1	.1	.3	.4	2.0	8.9	,0	.3	36.8	
	0-3	.5	.1	.1	.0	.2	.1	.3	.6	.0	,5		
10+	4-10	10.4	1.8	.2	.1	.2	.6	1.9	6.4	.0		21.5	
	11-21	19.5	4.2	.1		.1	.1	.2	4.2	.0		28.4	
	22+	1.4	.4	.0	.0	.0	.0		.1	.0		1.9	
	TOT %	31.8	6.5	.3	.1	.4	.7	2.4	11.3	.0	.5	54.0	
	TOT GES												9879
1	TOT PCT	58.3	10.3	. 5	. >	. 8	1.4	4.8	22.5	.0	1.2	100.0	

MAY PERIOD: (PRIMARY) 1923-1973 (OVER-ALL) 1854-1973 AREA 0008 DAKAR 14.9N 17.9W TABLE 10 PERCENT FREQUENCY OF CEILING HFIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR 5000 6500 8000+ TOTAL NH 45/8 6499 7999 ANY HGT 4.0 1.7 14.3 85.7 00603 2.1 27.6 72.4 1469 90300 3.0 3.9 19.9 1661 2.2 15.2 1523 101 PCT

TABLE 11 TABLE 12 CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM)
CEILING HGT (FEET,NH >4/8), BY HOUR PERCENT FREQUENCY VSBY (NM) BY HOUR <1/2 1/2<1 245 5410 1<2 10+ 2258 00863 .4 6.5 11.8 81.7 1452 00603 1.8 1.1 58.9 1.3 9.3 21.6 69.1 1437 06609 .7 7.7 1617 16.7 13.0 1488 5994 12

TABLE 14 TABLE 13 PERCENT FREQUENCY OF WIND DIRECTION BY TEMP PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP TEMP F 0-29 30-39 40-49 50-59 60-69 70-79 80-89 90-100 E 2.0 1.0 9.0 9.5 11.6 27.0 2.1 13.4 .0 .1 .0 .0 1535 3169 24.7 51.1 85/89 80/84 75/79 70/74 65/69 60/64 55/59 TOTAL PCT 1.6 10.7 30.8 17.2 .1 .7 1.1 .9 .1 .0 .0 177 2.9 1.3 4.2 1.7 .0 .0.0.0 .0 .1 .0 .0 .0 .0 .0 .0 .0 6207 100.0 7.5 .7 1.5 5.1 23.2 60.6

TABLE 16 TABLE 15 PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR MIN HEAN TOTAL 0B5 61 70.9 2806 59 70.9 3769 58 74.0 2887 60 73.1 3729 58 72.2 13191 0-29 30-59 60-69 70-79 80-89 90-100 MEAN TOTAL OBS

.0 .1 .8 11.0 54.2 33.8 86 1570

.0 .1 1.0 12.4 56.1 30.4 86 1570

.0 .9 6.0 42.9 41.5 8.7 80 1624

.0 .1 3.4 31.2 52.6 12.8 82 1585

0 19 180 1555 3228 1345 83 6327 HOUR (SMT) 00403 06609 12615 18621 TOT 5% 1% 61 70.9 59 70.9 58 74.0 60 73.1 58 72.2 66 68 68 67 71 71 73 73 72

PERIOD:	(PRIMARY)	1923-1973
	(DVER-ALL)	1854-1972

T	48	LE	17

AREA 0008 DAKAR 14.9N 17.9W

PCT FREQ OF	AIR	TEMPERATURE (DE	G	F) AND	THE	DCCURRENCE	OF	FOG	TUUHTIW	PRECIPITATION)
		VS ATR-SE	A '	TEMPER	ATUR	E DIFFERENCE	. !!	DEG I	•)	

							-	-			
AIR-SEA THP DIF	57	61	65	72	73 76	77 80	81 84	85	TOT	FOG	FOG
20/22	.0	.0	.0	.0	.0	.0		.0	1	.0	
17/19	.0	.0	.0	.0				.0			
14/16	.0	.0			.1			.0	9	.0	.1
11/13	.0	.0	.0		.1	.1	.2	.1	38	.1	.5
9/10	.0	.0			.3	.3	.2		61	.1	
7/8	.0	.0		.4	.5	.6	.2	.1	121	. i	1.7
6	.0	.0		.2	.7	.6	.1	.0	115	.2	1.5
5	.0	.0		.6		.8	.3	.1	195	.3	2.6
1	.0	.0		1.1	1.9		.2		281	.2	3.8
1	.0	.0	.3	2.0	2.9	.9	.2	.0	432	.5	5.8
2	.0	.0		4.0	3.6		.3	.0	712	. 8	9.5
i		.2	1.9	6.8			.2	.0	1063	1.3	
ó	.0	.0	2.8	7.2	4.4	1.8			1129		14.1
							.2	.0		1.1	15.3
-1	.0	.1	3.0	6.1	4.0	1.4	.1	.0	1012	1.1	13.6
-2	.0	-1	2.3	4.1	2.8	.9		.0	708	.4	9.8
-3			1.1	2.4	1.9	.4		.0	413	.2	5.8
-4	.0		.7	1.6	1.1	.2		.0	256	.2	3.5
-5	.0	.0	.5	1.1	. 8	.1		.0	172	.1	2.4
-6	.0	.0	.1	.4	.4			.0	62		.9
-71-8	.0		.2	.4	.3	.1	.0	.0	72		1.0
-9/-10	.0	.0	.1	.1	.1		.0	.0	22		.3
-11/-13	.0			.1		.0	.0	.0	7	.0	.1
TOTAL	2		1019		2196		169			462	6423
		33		2666		780	-	20	6885		
PCT		.5	14.6	38,7	31.9	11.3	2.5	.3	100.0	6.7	93.3

PERIOD: (OVER-ALL) 1963-1973

TABLE 18

				PC	T FREO	OF WIND	SPEED	(KTS)	AND DIRE	CTION V	ERSUS S	EA HELD	HTS (FT)		
				N								NE			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	1.8	. 2	.0	.0	.0	2.2		.1	.1	.0	.0	.0	.0	.2
1-2	.6	8.7	6.3	.0	.0	.0	15.6			.9	.6	.0	.0	.0	1.5
3-4		6.9	16.3	.4	•0	.0	23.6		.0	.4	1.1		.0	.0	1.6
5-6	.0	1.3	10.2	.9		.0	12.5		.0	.1	.9	.1	.0	.0	1.1
7	.0	.2	4.9	.9	.0	.0	6.0		.0		.4	.2	.0	.0	.6
8-9	.0	.1	1.0	.6		.0	1.6		.0	.0	.1	.1		.0	.2
10-11	.0		.4	.5	.0	.0	.9		.0	.0		.1	.0	.0	.1
12	.0	.0	.0	.1	.0	.0	.1		.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0			.0	.0	.1		.0	.0	.0	.0		.0	
17-19	.0	.0		.0	.0	.0			.0	.0	.0		.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	1 .0		.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0		.0	•0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	•0	.0	.0		.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
TOT PCT	.9	18.9	39.3	3.4		.0	62.6		-1	1.6	3.2	.4		•0	5.3
				E								SF			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.0	.0	.0	.0	.0	.1				.0	.0	.0	.0	
1-2			.1	.0	.0	.0	.1		.0		.0	.0	.0	.0	
3-4	.0			.0	.0	.0	.1		.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0		.0	.0	.0			.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0		•0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0		.0			.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0		.0	.0			.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0		.0	•0	.0	.0	.0	.0	•0
23-25	.0	.0	.0	.0	.0	.0	.0		•0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0		.0	•0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	•0	.0	.0		•0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
TOT PCT	.1	.1	.1			.0	.3				.0	.0	.0	.0	.1

PERIOD:	COVE	R-ALL)	1963-1	973					MA					AREA	0008		
								TABLE	18 (CONT					14.	9N 17	.94
				PC	T FREQ	OF WIND	SPEED	(KTS)	AND	DIREC	TION	VERSUS	SEA HEIG	HTS (FT)			
HGT	1-3	4-10	11-21	5 22-33	34-47	48+	PCT			1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	1-3	10	.0		.0		.2				170000					.5	
1-2	.3	:3		.0	.0	:0	.6			.1				.0	.0	1.1	
3-4	.0	.0		.0	.0	.0				.0	.1			.0	.0	.1	
5-6	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.1	
7	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
TOT PCT	.3	.5	.1	.0	.0	.0	.9			.3	1.3			.0	.0	1.7	
													NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT			1-3	4-10		22-33	34-47	48+	PCT	PCT
<1	.2	1.3	.0	.0	.0	.0	1.5			.4	1.2		.0	.0	.0	1.7	
1-2	.2	2.2	.4	.0	.0	.0	2.8			.2	6.7			•0	.0	8.7	
3-4		.5	.1	.0	.0	.0	.6				3.5		.1	.0	.0	7.7	
5-6	.0		.1	.0		.0	.1			.0	. 8				.0	3.1	
7	.0		.0	.0	.0	.0				.0	• 1			.0	.0	1.1	
8-9	.0	.0	.0	.0	.0	.0	.0			.0	• 1			.0	.0	.3	
10-11	.0	.0	.0	.0	.0	.0	.0			.0	•0			.0	.0		
12	.0	.0	.0	.0	.0	.0	.0			.0				.0	.0		
13-16	.0	.0	.0	.0	.0	.0	.0			.0	•0			•0	.0	.0	
	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0			.0	•0			.0	.0	.0	
26-32 33-40	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
41-48				.0	.0	.0	.0			.0	.0				.0		
49-60	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
61-70	.0	.0	.0	.0		.0	.0			.0				.0		.0	
71-86	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	:0				.0			.0		.0	
TOT PCT	.5	4.1	.6	.0	.0	.0	5.2			.0				.0	.0	22.6	98.6
IUI PLI	.,	4.1	.0	.0		.0	7.2			.0	12.4	7.3	.3		.0	22.0	70.0

	MIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	3.0	5.3	.2	.0	.0	.0	8.5	
1-2	1.7	19.7	9.1	.0	.0	.0	30.6	
3-4	.1	11.3	21.4	.4	.0	.0	33.2	
5-6	.0	2.2	13.4	1.0	.1	.0	16.7	
7	•0	.3	6.1	1.2	.0	.0	7.7	
8-9	.0	.2	1.2	.6		.0	2.1	
10-11	•0		.4	.6	.0	.0	1.0	
12	•0		.0	.1	.0	.0	.1	
13-16	.0	.0				.0	.1	
17-19	•0	.0			.0	.0	.1	
20-22	•0	.0	.0	.0	.0	.0	.0	
23-25	•0	.0	.0	.0	.0	.0	.0	
26-32	•0	.0	.0	.0	.0	.0	.0	
33-40	•0	.0	.0	.0	.0	.0	.0	
41-48	•0	.0	.0	.0	.0	.0	.0	
49-60	•0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	•0	.0	.0	.0	.0	.0	.0	
87+	•0	.0	.0	.0	.0	.0	.0	
								3752
TOT PCT	4.9	39.0	51.9	4.0	.1	.0	100.0	

TABLE 1

AREA 0005 DAKAR 14.9N 18.0W

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

			,	RECIPI	TATIO	N TYPE					DTHER	WEATHER	PHEND	MENA	
WHO DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HATL	PCPN AT OB TIME	PCPN PAST	THOR	FOG WO PCPN	PCPN PAST HR	SHOKE	SPRAY BLWG DUST BLWG SNOW	NO SIG WEA
N NE E SE SW W NW VAR CALH	.3 .5 5.9 6.3 .0 .0 .1 .3	.1 .7 .0 1.8 .7 .4 .1	.2	.00	.00	.0		1.7 5.9 6.1 .7 1.2 .5 .5	.1 .2 2.8 1.8 2.0 .6 .1 .1	2.6 1.5 2.6 1.5 3.1	3.5 5.7 1.4 3.7 2.9 6.1 3.2 .0 2.3	.0	9.7 8.0 4.5 1.5 3.8 6.1 8.9 6.7	1.8 1.9 .0 2.7 1.2 2.0 1.5	83.6 81.4 82.6 83.5 87.9 83.3 80.8 87.2
TOT PCT TOT 085:	7119	.2	.2	.0	.0		•	.8	.2	1.1	3.8	•	8.3	1.7	84.1

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

				RECIPI	TATIO	N TYPE					DTHER	WEATHER	PHEND	HENA	
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	NO SIG WEA
00603 06609 12615 18621	.6 .6 .3	.2 .4 .3	.3 .3 .2	.0	.0	.0	.0	1.0 1.4 .8 .5	.1 .3 .4 .3	3.4 1.2 .0	2.6 4.7 3.5 4.7	.0 .1 .1	6.6 6.5 9.6 10.4	1.1 1.8 2.3 1.5	85.5 84.2 83.4 82.5
TOT PCT	7408	•2	.2	.0	.0	•0	•	.9	.3	1.2	3.9	•	8.3	1.7	83.9

TABLE 3

PERCENTAGE FREGUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

													unua	(GMT)			
WND DIR	0-3			22-33		48+	TOTAL	PCT	MEAN	00	03	06	09	12	15	16	21
N NE	1.5	18.5	20.0	1.9	:	:0		41.8	11:8	40.8	43.7	11.0	40.7	42.5	6.5	10.7	41:4
E	.2	.9	.4	.1		.0		1.5	10.0	1.0		1.9	2.9	2.0	1.0		.9
SE	.1	.6	.2			.0		1.0	8.8	1.0		1.1	1.5	1.1	.6		.9
	.3	1.0	.3			.0		1.7	7.4	1.9	.4	1.2		2.0	1.0		
SW	.5	2.7	.5			.0		3.8	7.2	4.5	4.0		3.0	3.0	4.1	3.8	
W	.5	7.9	1.5		.0	.0		10.4	7.6	10.6	10.1	11.0	9.0	9.4	12.7	10.0	
NW	1.5	16.3	8.2	.3	.0	.0		26.2	9.4	27.5	33.5	27.5	24.1	26.0	29.9	25.6	22.6
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	2.0				100			2.0	.0	2.2	4.0	2.8	1.8	1.5	1.7	1.8	1.2
TOT DBS	947	6648	4610	380	5	0	12590		10.1	2485	174	2453	1137	2577	177	2425	1162
TOT PCT	7.5	52.8	36.6	3.0		.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WND DIR	0-6		SPEED 17-27	(KNOTS) 28-40	41+	TOTAL	PCT	MEAN SPD	00	HDUF 06 09	12 15	18 21
N NE	7.8	25.9	8.0	::	.0		41.8	11:6	40.9	40.1	42.5	43.8
E SE	:5	:8	.2	:	:0		1.5	10.0	1.1	2.2	2.0	:7
S	.9	.7	.1		.0		3.8	7.4	1.8	1.4	3.1	1.6
	4.7	5.5	.1	•0	.0		10.4	7.6	10.6	10.4	9.7	10.7
VAR	7.7	16.6	1.9	.0	.0		26.2	9.4	27.9	26.4	26.2	24.6
TOT OBS	3535	7372	1637	46	0	12590	2.0	10.1	2.3	3590	2754	3587
TOT PCT	28.1	54.6	13.0	.4	.0		100.0		100.0	100.0	100.0	100.0

PERIOD: (PRIMARY) 1922-1973 TABLE 4

PERCENTAGE PREQUENCY OF WIND SPEED BY MOUR (GHT)

WIMD SPEED (KNOTS) PCT TOTAL

O6403 2.3 5.2 52.8 37.0 2.7 • .0 10.1 100.0 2659

O6409 2.5 6.0 54.4 34.0 3.1 .1 .0 9.8 100.0 3590

12415 1.5 6.1 51.3 38.2 2.9 .1 .0 10.2 100.0 2754

18421 1.6 5.0 52.4 37.9 3.3 .0 .0 10.2 100.0 3587

TOT 250 697 6648 4610 380 5 0 10.1 12590

PCT 2.0 5.5 52.8 36.6 3.0 • .0 100.0

0

TABLE 7
CUMULATIVE PCT FREQ DF SIMULTANEOUS OCCURRENCE

				VSBY (NA	1)			
CEILING	. DR	- DR	- OR	· OR	• DR	. DR	• OR	- DR
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
OR >6500	2.2	3.4	3.8	3.8	3.8	3.8	3.8	3.8
OR >5000	2.8	4.4	4.8	4.8	4.8	4.8	4.8	4.8
OR >3500	4.7	6.9	7.3	7.4	7.4	7.4	7.4	7.4
OR >2000	9.0	12.9	13.7	13.7	13.7	13.7	13.7	13.7
OR >1000	13.8	20.3	21.4	21.5	21.5	21.5	21.5	21.5
OR >600	15.3	22.9	24.3	24.3	24.3	24.3	24.4	24.4
DR >300	15.5	23.3	24.8	24.9	24.9	24.9	24.9	24.9
OR >150	15.5	23.4	24.9	25.0	25.0	25.0	25.0	25.0
OR > 0	15.6	23.6	25.1	25.2	25.3	25.3	25.3	25.3
TOTAL	912	1379	1472	1477	1478	1478	1480	1480

TOTAL NUMBER OF OBS: 5853

PCT FREQ NH <5/8: 74.7

TABLE 7A
PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 08SCD 08S 36.3 11.4 10.8 8.9 6.8 4.9 6.5 6.0 8.2 .2 6116 TABLE 8

		•	PERCENT						LUES				E OF
VSBY (NM)		N	NE	•	se	5	SW		NW	VAR	CALM	PCT	TOTAL
	PCP	.0	.0		.0	.0	.0	.0	.0	.0	.0		
<1/2	NO PCP		.0	.0	.0	.0	.0	.0		.0	.0		
	101 \$.0		.0	.0	.0	.0		.0	.0	.1	
	PCP	.0	.0	.0	.0	.0	.0	:	.0	.0	.0	.0	
1/2<1		.7	.2				.1	.4	.3	.0		1.7	
	TOT &	.7	.2	•	•	•	.1	.4	.3	.0		1.7	
	PCP	.0	.0	.0		.0	.0	.0	.0	.0	.0		
142	NO PCP	.6	.1		.0			.2	.3	.0		1.3	
	TOT &	.6	.1					.2	.3	.0		1.4	
	PCP					.0	.0	.0	.0	.0	.0	.1	
245	NO PCP	2.0	.3	.0		•	.1	.5	1.1	.0	.2	4.2	
	TOT S	2.0	.4			•	.1	.5	1.1	.0	.2	4.3	
	PCP	.1	.1						.1	.0		.5	
5<10	NO PCP	14.6	2.2	.4	.3	:5	1.2	3.7	9.7	.0	.5	33.1	
	TOT &	14.8	2.3	.4	.3	.5	1.2	3.7	9.8	.0	.5	33.6	
	PCP	.1			.0	:0			.1	.0		.3	
10+	NO PCP	25.2	4.4	1.0	.6	.,	2.0	5.6	18.0	.0	1.0	58.8	
	TOT &	25.3	4.5	1.0	.6	.,	2.0	5.6	18.1	.0	1.1	59.0	
	TOT 085												7111
	TOT PCT	43.3	7.4	1.5	1.0	1.6	3.4	10.4	29.6	.0	1.8	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED

					ITH V	ARYING	VALUE	S OF	ISIBIL	ITY			
VSBY (NM)	SPD	N	NE	E	SE	S	SW		NW	VAR	CALM	PCT	TOTAL
	0-3	.0	.0	.0	.0	.0	.0		.0	.0	.0		
<1/2	4-10		.0	.0	.0	.0	.0	.0		.0			
	11-21		.0	.0	.0	.0	.0	.0		.0			
	22+	.0	.0		.0	.0	.0	.0	.0	.0			
	TOT \$.0		.0	.0	.0			.0	.0	.1	
	0-3		.0	.0						.0		.1	
1/2<1	4-10	.3	.1		.0			.2	.1	.0		.8	
	11-21	.2	.1	.0	.0	.0			.1	.0		.5	
	22+		.0	.0	.0	.0	.0	.0	.0	.0			
	TOT %	.6	.2				.1	.3	.2	.0		1.4	
	0-3	.0	.0	.0	.0					.0		.1	
1<2	4-10	.2						.1	.2	.0		.6	
	11-21	.3	.1	.0	.0				.1	.0		.5	
	22+ TOT \$.1			.0	.0	.0			.0		.1	
	TOT %	.6	.1					.2	.3	.0		1.3	
	0-3	.1		.0	.0			.1	.2	.0	.2	.6	
245	4-10	.6	.2				.1	.4	.6	.0		2.0	
	11-21	.9	.4					.1	.3	.0		1.6	
	22+	.2				.0	.0	.0		.0		.3	
	TOT %	1.8	.5	.1	.1		.1	.6	1.2	.0	.2	4.5	
	0-3	.5	.2			.1	.1	.3	.5	.0	.5	2.3	
5<10	4-10	6.2	1.2	.2	.2	.3	.9	2.8	5.6	.0		17.5	
	11-21	6.9	1.4	.1	.1	.1	.2	.6	2.8	.0		12.2	
	22+	.7	.2						.1	.0		1.1	
	TOT \$	14.4	3.0	.4	.3	.5	1.2	3.7	9.0	.0	.5	33.0	
	0-3	.9	.3	.1	.1	.1	.2	.6	.8	.0	1.3	4.3	
10+	4-10	10.9	2.3	.6	.3	.7	1.5	4.5	10.6	.0	7.712	31.4	
	11-21	12.6	2.9	.3	.1	.2	.3	.8	5,6	.0		22.8	
	22+		.3		.0				.1	.0		1.2	
	TOT S	25.2	5.7	1.0	.6	1.0	2.0	5.9	17.1	.0	1.3	59.8	
	TOT 085												9171
	TOT PCT	42.5	9.5	1.5	.9	1.6	3.4	10.7	27.7	.0	2.0	100.0	

PERIOD: (PRIMARY) 1922-1973 (OVER-ALL) 1855-1973

AREA 0008 DAKAR 14.9N 18.0W

O

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND DCCURRENCE OF NH <5/8 BY HUUR

JUNE

HOUR (GHT)	000	150 299	300 599	600 999	1000	2000 3499	3500 4999		6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
60300	.3	.1	.3	2.0	5.9	5.0	2.3	.1	.5	2.3	18.9	81.1	1464
90360	.1	.1	.6	4.6	9.3	7.3	3.0	1.6	.7	3.2	30.6	69.4	1468
12615	.4	.1	.4	2.5	7.9	6.4	2.2	1.1	.9	3.1	25.0	75.0	1601
18821	.4	.0	.7	2.1	7.5	6.0	2.4	1.0	.9	3.1	24.3	75.7	1495
TOT	19	5	31	169	460	373	149	57	48	177	1488	4540	6028

TABLE 11

TABLE 12

		PERCENT	FREQUEN	ICY VSB	(NM)	BY HOUR		CUMULAT	TVE PCT	FREQ	OF RAN	IGES OF	VSBY (NM)	AND/OR
HOUR (GHT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00603		1.1		4.0	30.5	63.6	2162	00603	.4	.8	5.9	15.6	78.5	1428
90300	.1	1.5	1.1	4.3	35.3	57.7	2532	90300	•1	1.0	10.2	24.2	65.6	1428
12615	.2		1.3	5.7	31.8	60.2	2242	12615	.4	.9	8.8	21.0	70.2	1549
18621	.1	1.9	1.7	4.5	34.5	57.4	2527	18621	.3	1.2	7.6	20.4	72.0	1448
TOT	9	128	118	435	3136	5637 59.6	9463 100.0	TOT PCT	18	56	477 8.1	1189	4187 71.5	5853 100.0

TABLE 13

	PERC	ENT FR	EQUENC	Y OF R	ELATIV	E HUM1	DITY 8	Y TEMP		
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL	FREQ
90/94	.0	.0	.0			.0	.0	.0	3	.1
85/89	.0	.0	.0		.4	.6	.1	.0	64	1.1
80/84	.0	.0		.1	1.2	8.6	7.3	1.0	1090	18.2
75/79	.0	.0	.0	.1	.6	11.9		5.7	2485	41.5
70/74	.0	.0	.0	.0	.2	4.8		9.2	2038	34.0
65/69	.0	.0	.0	.0	.0	.3	3.2	1.7	310	5.2
60/64	.0	.0	.0	.0		.0	.0	.1	3	.1
TOTAL	0	0	1	11	144	1564	3219	1054	5993	100.0
PCT	-0	. 0		2	2.4	24 1		17 4		

TABLE 14

	PERC	ENT FRE	QUENC	OF W	IND DI	RECTIO	N BY T	EMP	
N	NE	E	SE	s	SW	W	NW	VAR	CALM
	.0	.0	.0	.0	.0			.0	
.4		.1		.1	.1	.2	.2	.0	.1
5.0	.9	.5	.2	.7	1.3	3.4	5.8	.0	.5
16.1	2.6	.7	.4	.5	1.2	5.3	13.8	.0	.9
18.9	3.0	.2	.1	.1	.5	1.6	9.3	.0	.4
3.6	.4		.0				1.1	.0	
		.0	.0	.0	.0	.0		.0	.0
43.9	7.0	1.4	.8	1.4	3.1	10.5	30.2	.0	1.8

TABLE 15

	MEANS,	EXTREM	ES AND	PERCEN	TILES	OF TER	P (DE	G F) B	Y HOUR
HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL
00603	86	82	81	74	69	67	63	74.6	2733
06609	90	82	80	74	68	66	63	74.5	3664
12615	91	86	84	77	71	69	65	77.4	2758
18621	91	85	83	77	70	68	64	76.6	3603
TOT	91	85	82	76	69	67	63	75.8	12758

TABLE 1

								•
HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
60300	.0	.0	.6	12.6	60.6	26.2	86	1520
90300	.0	.1	.5	14.7	59.0	25.7	85	1569
12615	.0	.4	5.5	42.4	43.1	8.7	80	1577
18621	.0	.3	3.0	33.3	52.9	10.5	82	1574
TOT	0	12	150	1615	3358	1105	83	6240

PERIOD: (PRIMARY) 1922-1973 (OVER-ALL) 1855-1973

TABLE 17

AREA 0008 DAKAR 14.9N 18.0W

PCT	FREQ	OF	AIR	TEMPERATURE	IDEG	.,	AND	THE	DCCURRENCE	OF	FOG	CWITHOUT	PRECIPITATION:
				VS AT	R-SEA	TE	HPER	ATUR	E DIFFERENC	E (DEG	F)	

AIR-SEA	61	65	69 72	73 76	77	81	85	89	TOT		WO	
THP DIF	64	68	72	76	80	84	88	92		FOG	FOG	
14/16	.0	.0	.0	.0					6		.1	
11/13	.0	.0	.0		.1	.2	.1		27		.4	
9/10	.0	.0	.0	.1	.4	.2		.0	43	.1	.6	
7/8	.0	.0	.1	.2	.5	.6	.1		107	.1	1.5	
	.0	.0	.1	.3	.5	.2	.1	.0	79	.1	1.1	
5	.0		:1	.7	.9	.6	.2	.0	165	.2	2.3	
	.0	.1	.4	1.0	.7	.4	.1	.0	180	.2	2.6	
1	.0	.1	.5	1.6	1.6	.8	.2	.0	310	.2	4.6	
2	.0	.1	1.0	2.3	1.4	1.0	.2	.0	390	.3	5.6	
1	.0	.2	1.9	3.7	2.6	1.6	.1	.0	658	.5	9.5	
ō		.3	2.7	4.8	4.8	2.0	.0	.0	957	.8	13.8	
-1	.0	.5	3.6	5.5	5.8	1.8		.0	1123	.9	16.3	
- 2		.5	3.1	4.6		1.1		.0	936	.4	13.9	
-1 -2 -3		.3	2.2	3.6	3.9		.0	.0	710	.3	10.5	
-1		.2		2.0		.3	.0	.0	380	.1	5.7	
	.0	.2		1.4	1.2	.2	.0	.0	253	.1	3.7	
-6	.0			.7	.3		.0	.0	102		1.5	
-7/-8	.0	.1	.5	.5	.4	.0	.0	.0	91		1.4	
-9/-10	.0	.:	.2	.2	.1	.0		.0	38			
-11/-13					.0		.0		5		.6	
TOTAL	.0					.0	75	.0	0.00	278	6284	
TUTAL			1233	****	2111		15		4442	210	0204	
***		2.7		2188		772		5	6562			
PCT	.1	4.1	18.8	33.3	32.2	11.8	1.1	.1	100.0	4.2	95.8	

PERIOD: (OVER-ALL) 1963-1973

TABLE 18

				PC	T FREQ	OF WIND	SPEED	(KTS)	AND DIREC	TION V	ERSUS S	EA HEIG	HTS (FT)	
HGT	1-3	4-10	11-21	N 22-33	34-47	48+	PCT		1-3	4-10	11-21	NE 22-33	34-47	48+	PCT
<1	.9	2.4	.1	.0	.0	,0	3.4		.2	.3	.1	.0	.0	.0	.6
1-2	.5	9.3	4.4	.0	.0	.0	14.2		.1	1.1	:7	.0	.0	:0	2.0
3-4	.,	5.6	9.7	.2	.0	.0	15.6		.0		1.4		.0	.0	2.2
5-6	.0	1.0	5.5	.5	.0	.0	7.1			.2	1.7	.1	.0	.0	.9
7	.0	.1	2.8	.8	.0	.0	3.7		.0	.0	.3	:1	.0	.0	:4
8-9	.0	:1	.5	.3	.0	.0				.0	.,		.0	.0	
10-11	.0	.0	.2	.3	.0	.0	.8		.0	.0			.0	.0	
12	.0	.0		.0	.0	.0			.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0		.0	.0			.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
67+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.4	18.5	23.3	2.1	.0	.0	45.3		.3	2.5	3.2	.2	.0	.0	6.1
				110								de			
HGT	1-3	4-10	11-21	E 22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.1	.0	.0	.0	.0	.2			.1	.0	.0	.0	.0	.1
1-2		.4	.1	.0	.0	.0	.5			.3	.1	.0	.0	.0	.5
3-4	.0	.3	.2		.0	.0	.5		.0	.1	.1		.0	.0	.2
5-6	.0	.1	.0	.0	.0	.0	.1		.0	.0	.1	.0	.0	.0	:2
7	.0	.0	:0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0		.0	.0	.0			.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	•0	.0	.0		.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0		.0	•0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
61-70 71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
TOT PCT	•1		.3		.0	.0	1,3		•1	.5	.3		.0	.0	.9

									JUNE							
PERIOD:	COAE	R-ALL)	1963-1	1973				TABLE	18 (CONT	,			AREA	0008		8.0W
				PC	T FREO	OF #1ND	SPEED	(475)	AND DIRE	CTION	VERSUS	SEA HEIG	HTS IFT			
				s								SW				
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10		22-33	34-47	48+	PCT	
<1	.1	.3	.0	.0	.0	.0	.4					.0	.0	.0		
1-2	.0	.5	.2	.0	.0	.0	.6		.2	1.4		.0	.0	.0	1.7	
3-4	.0	.5	.2	.0	.0	.0	.*		.0	• 1		.0	.0	.0	.5	
7	.0			.0	.9	.0	.1		.0				.0	.0	.1	
8-9	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0		
10-11	.0	.0	.0	.0	.0	.0	.0		.0				.0	.0		
12	.0	.0	.0	.0	.0	.0	:0		.0	:			.0	.0		
13-10	.0	.0	.0	.0	.0	.0	.0		.0				.0	.0		
17-19	.0	.0	.0	.0	.0	.0	.0		.0			.0	.0	.0		
20-22	.0	.0	.0	.0	.0	.0	.0		.0				.0	.0		
23-25	.0	.0	.0	.0	.0	.0	.0		.0				.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0		.0			.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0		.0			.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0		.0			.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0		.0			.0	.0	.0		
61-70	.0	.0	.0	.0	.0	.0	.0		.0			.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0		.0				.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0		.0				.0	.0		
TOT PCT	.1	.9	.4	.0	.0	.0	1.4		.2	2.4		•	.0	.0		
												NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.5	1.2		.0	.0	.0	1.7		.7	2.2	1 .1	.0	.0	.0	2.9	
1-2	.3	4.4	.5	.0	.0	.0	5.3		.4	10.2			.0	.0		
3-4	.0	1.4	.6		.0	.0	2.0			3.9			.0	.0	9.7	
5-6	.0	.1	.3	.0	.0	.0	.4		.0		2.6	.1	.0	.0		
7	.0	.0	.1	.0	.0	.0	.1		.0		6	.1	.0	.0		
8-9	.0	.0		.0	.0	.0			.0	. (.0	.0		
10-11	.0	.0	.0	.0	.0	.0	.0		.0	. (.0	.0		
12	.0	.0	.0	.0	.0	.0	.0		.0	. (.0	.0		
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.(.0	.0		
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.(.0	.0		
20-22	.0	.0	.0	.0	.0	.0	.0		.0	• (.0	.0		
23-25	.0	.0	.0	.0	.0	.0	.0		.0	• (.0	.0		
26-32	.0	.0	.0	.0	.0	.0	.0		.0	• (.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0		.0	• (.0	.0		
41-48	.0	.0	.0	.0	.0	.0	.0		.0	•9			.0	.0		
61-70			.0	.0		.0	.0		.0	• •			.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0		.0	• 0		.0	.0	.0		
87+	.0	.0	.0	.0	.0	.0	.0		.0			.0	.0	.0		
TOT PCT	.9	7.1	1.4	.0	.0	.0	.0									
							9,4		1.1	17.	2 11.4	.3	.0	.0	30.0	97.5

	MIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	6.3	7.3	.3	.0	.0	.0	13.9	563
1-2	2.0	27.3	8.2	.0	.0	.0	37.6	
3-4	•1	12.3	17.5	.4	.0	.0	30.3	
5-6	•0	2.2	9.0	.7	.0	.0	11.9	
7	.0	.1	3.7	1.0	.0	.0	4.8	
8-9	•0	•1	.7	.3	.0	.0	1.0	
10-11	•0	.0	.3	.3	.0	.0	.6	
12	•0	.0		.0	.0	.0		
13-16	.0	.0	.0		.0	.0		
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	•0	.0	.0	.0	.0	.0	.0	
23-25	•0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0		.0	.0	.0	
33-40	•0	.0	.0	.0	.0	.0	.0	
41-48	•0	.0	.0	.0	.0	.0	.0	
49-60	•0	.0	.0		.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	•0	.0	.0	.0	.0	.0	.0	
87+	•0	.0	.0	.0	.0	.0	.0	
0.0	•0	•0		.0	.0	.0		3762
TOT PCT	8.4	49.3	39.7	2.6	.0	.0	100.0	2.02
				6.0				

 TABLE 1

AREA 0008 DAKAR 14.9N 17.9W

PERCENT FREQUENCY OF WEATHER DICURRENCE BY WIND DIRECTION

			2015						Or countines						
			P	RECIPI	TATTO	TYPE					OTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST	THOR L TNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNDW	NO SIG WEA
N NE	1.2		.3	.0	.0	.0	.0	2.3	.9	2.0	1.5	.0	5.0	.5	88.0
NE	3.1	.7	1.0	.0	.0	.0	.2	4.7	1.6	1.8	1.4	.0	5.1	.7	85.3
E	5.9	4.2	2.0	.0	.0	.0	.0	12.1	1.2	3.0	1.8	.0	3.0	.8	79.6
SE	8.9	5.1	1.6	.0	.0	.0	.0	15.5	2.9	5.1	2.2	.0	1.1	.0	74.3
S	5.1	4.8	1.1	.0	.0	0	.0	11.0	3.3	2.9	.7	.2	2.8	.3	79.3
SW	5.6	3.8	. 8	.0	.0	•0	.0	10.2	3.2	3.6	2.0		1.8	.2	79.3
	2.3	2.5	.5	0	.0	.0	.0	5.3	1.9	3.0	2.2	.0	4.2		82.7
NW	1.2	.9	.4	.0	.0	.0	.0	2.5	1.1	2.4	2.4	.0	4.3	.2	87.4
VAR	.0	.0	.0	.0		.0	.0	.0	.0			.0	.0	.0	.0
CALM	1.8	1.8	.6	.0	:0	:0	.0	4.1	1.8	2:9	2:3	.0	5.8	.0	83.6
TUT PCT	7247	1.8	.5	.0	.0	•0	•	4.7	1.6	2.6	1.9	•	4.1	.4	84.8

TABLE ?

PERCENT	FREQUENCY	nF	WEATHER	DECURRENCE	AY HOUR

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HATL	PCPN AT	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE		
00603	3.2	1.1	.7	.0	.0	.0	.1	5.0	1.6	6.0	1.5	.1	3.8	.2	82.6
90360	3.7	3.0	.6	.0	.0	.0	.0	7.2	2.2	4.0	2.1	.0	2.9	.4	81.9
12615	2.0	1.8	.5	.0	.0	.0	.0	4.3	1.3	.3	1.5	.0	5.2	.7	86.8
18621	1.5	1.7	.4	.0	.0	•0	.0	3.6	1.4	.8	2.6	.0	4.7	.5	86.6
TUT PCT	2.6	1.9	.6	.0	.0	•0		5.0	1.6	2.7	1.9		4.1	.5	84.5

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		WIN	D SPE	D (KN	ופדכו								HOUR	(GMT)			
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	FREQ	SPD	00	03	06	09	12	15	18	21
N NE	2.1	14.9	7.6	:5	.0	.0		25.1	9.3	22.4	17:1	24.2	26.7	28.1	26.0	25.6	25.1
E	.3	1.2	.4	.1		.0		2.1	8.2	1.2	1.2	2.2	3.1	2.7	.6	1.8	1.9
SE	.3	1.2	.3		.0	.0		1.8	7.2	1.8	1.6	1.6	2.5	2.1	1.8	1.6	1.2
S	. 8	3.2	.9	.1		.0		5.0	7.7	5.6	3.9	4.3	4.3	4.6	5.0	5.9	4.7
SW	1.1	6.7	1.9		.0	.0		9.7	7.8	11.7	12.1	9.1	7.6	8.3	6.4	10.3	11.1
W	1.5	12.4	3.8	.1	.0	.0		17.8	8.2	20.1	22.8	19.9	15.3	15.0	20.8	17.7	16.5
NW	1.7	17.1	7.5	.3		.0		26.6	9.1	26.2	33.5	27.6	25.9	26.3	34.3	26.2	25.6
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	3.1							3.1	.0	3.4	3.1	3.6	3.4	2.9	1.3	2.2	3.3
TOT OBS	1444	7658	3044	155	3	0	12304		8.5	2441	161	2467	1059	2506	156	2429	1085
TOT PCT	11.7	62.2	24.7	1.3		.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WND DIR	0-6	#IND 7-16	SPEED 17-27		41+	TOTAL	PCT	MEAN SPD	00	06 09	12 15	18
						J			•••			
N	8.0	14.8	2.2		.0		25.1	9.3	22.1	24.9	28.0	25.4
NE	3.3	4.7	.8		.0		8.8	8.9	7.5	8.7	9.7	9.3
E	1.1	.8	.2		.0		2.1	8.2	1.2	2.5	2.6	1.8
SE	.9	.8	.1	.0	.0		1.8	7.2	1.7	1.9	2.0	1.5
5	2.4	2.3	.2		.0		5.0	7.7	5.5	4.3	4.7	5.5
SW	4.4	4.9	.4		.0		9.7	7.8	11.7	8.7	8.2	10.5
	7.0	10.1	.7		.0		17.8	8.2	20.3	18.5	15.3	17.3
NW	8.4	10.3	1.9		.0		26.6	9.1	26.6	27.1	26.7	26.0
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	3.1						3.1	.0	3.4	3.5	2.8	2.6
TOT OBS	4757	6736	793	18	0	12304		8.5	2602	3526	2662	3514
TOT PCT	38.7	54.7	6.4		.0		100.0	-	100.0	100.0	100.0	100.0

JULY

PERIOD: (PRIMARY) 1922-1973 (OVER-ALL) 1857-1973

TABLE 4

AREA 0008 DAKAR 14.9N 17.9W

PERCENT GE	EREQUENCY	DE	WIND	SPEED	RY	HOUR	(GMT)	

				WIND	SPEED (KNOTS!			PCT	TOTAL
HOUR	CALH	1-3	4-10	11-21	22-33	34-47	48+	MEAN	FREQ	DBS
00603	3.4	8.2	64.0	23.3	1.1		.0	8.4	100.0	2602
90300	3.5	8.8	62.4	24.0	1.3		.0	8.3	100.0	3526
12615	2.8	8.4	69.4	27.3	1.1	.0	.0	8.6	100.0	2662
18621	2.6	9.1	62.2	24.6	1.5		.0	8.5	100.0	3514
TOT	377	1067	7658	3044	155	3	0	8.5		12304
PCT	3.1	8.7	62.2	24.7	1.3		.0		100.0	

TABLE 5

,	CT FRE			CLOUD A		EIGHTHS)							CEILIN NH <5/					
WND DIR	0-2	3-4	5-7	8 E 085CD	TOTAL	CLOUD COVER	000 149	150	300 599	600 999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	
N NE	7.1	4.6	8.1	4.9		4.4	.1	.0	.1	1.4	3.1	2.1	1.0	.4	.2	.5	15.7	
NE	1.2	1.1	2.1	1.5		5.0		.0	.1	.3	1.0	.7	.2	.1	.1		3.4	
E	.3	.3	.6	.6		5.4	.0	.0		.2	.3	.2					.9	
SE	.2	.2	.5	.4		5.6		.0		.1	.2	.1			.0	.1	.7	
S	.9	1.2	1.7	1.2		5.0			.1	.3	1.0	.3	.1		.0		3.2	
SW	2.3	1.6	3.3	2.2		4.9			.2	.6	1.3	.7	.5	.2	.1	.2	5.7	
	4.4	3.2	6.8	5.0		5.0		.0	.2	1.5	2.7	1.9	.7	.2	.2	.4	11.5	
NW	7.3	5.7	10.8	6.3		4.7	.1		.2	1.4	5.1	2.6	1.0	.4	.3	.6	18.4	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	0	.0	.0	.0	.0	
CALM	.6	.6	1.0	.4		4.6		.0		.2	.3	.2	• •			.0	1.7	
TOT OBS	1362	1034	1967	1265	5628	4.8	15		55	341	841	498	201	74	49	102	3449	5628
TOT PCT	24.2	18.4	35.0		100.0		.3	1	1.0	6.1	14.9	8.8	3.6	1.3	.9	1.8		100.0
	*4.5						.,	••					2.0		.,	1.0		

TABLE 7

OF CEILING HEIGHT	OF SIMULTANFOUS OCCURRENC (NH >4/8) AND VSBY (NM)
	President transport

					VSBY (NH	1)			
CEI	LING	- OR	- OR	- OR	- OR	- DR	- OR	- DR	- DR
(FE	ET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
OR >	6500	1.7	2.6	2.7	2.7	2.7	2.7	2.7	2.7
OR >	5000	2.6	3.9	4.0	4.0	4.0	4.0	4.0	4.0
OR >	3500	5.2	7.3	7.5	7.5	7.5	7.5	7.5	7.5
OR >	2000	11.2	15.6	16.2	16.2	16.2	16.2	16.2	16.2
DR >	1000	21.6	29.9	31.0	31.1	31.1	31.1	31.1	31.1
OR >	600	25.9	35.7	37.0	37.1	37.1	37.1	37.1	37.1
DR >	300	26.3	36.5	37.9	38.1	38.1	38.1	38.1	38.1
OR >	150	26.3	36.5	38.0	38.1	38.2	38.2	38.2	38.2
OR >	0	26.4	36.7	38.3	38.4	38.5	38.5	38.5	38.5
T	DTAL	1551	2157	2250	2258	2260	2261	2262	2262

TOTAL NUMBER OF OBS: 5876 PCT FREQ NH <5/8: 61.5

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 MBSCD 085 16.7 9.9 11.8 12.1 10.2 6.5 8.9 8.7 15.0 .2 6203 PERIOD: (PRIMARY) 1922-1973 (OVER-ALL) 1857-1973

AREA 0008 DAKAR

7246

-ALL) 1	857-1973	•					T	BLE B					14,9N	17.9
		•	ERCENT						VALUES				E OF	
VSBY (NM)		N	NE		SE	5	SW		NW	VAR	CALM	PCT	TOTAL OBS	
	PCP	.0	.0	.0	.0				.0	.0	.0	.1		
<1/2	NO PCP	.0	.0	.0	.0	.0	.0		:	.0	.0			
	TOT &	.0	.0	:0	.0	•		•		.0	.0	.1		
	PCP				.0	.0		.0		.0	.0			
1/2<1	NO PCP	.1	:	:	.0	.0	.1	.2	.2	.0	.0	.8		
	TOT \$:1					:1	.2	.2	.0	.0	.8		
	PCP				.0					.0	.0	.1		
1<2	NO PCP	.2	:	:	.0			.1	.2	.0	.1	.7		
	101 S	.2			.0	:	.1	.1	.2	.0	.1	. 8		
	PCP	.1					.1	.1	.1	.0		.5		
2<5	NO PCP	.5	.2		:	.1	.2	.4	.5	.0	.1	2.0		
	TOT \$.5	.3	.1		:1	.1	:4	.5	.0	.1	2.5		
	PCP	.2	.2	.1	.1	.2	.6	.6	.4	.0		2.5		
5<10	NO PCP	7.1	1.5		. 3	1.3	2.6	4.7	7.7	.0	.6	26.2		
	TOT &	7.4	1.5	:4	.3	1.3	3,2	4.7 5.2	7:7	.0	.6	28.7		
	PCP	.2	.1		.1	.3	.3	.3	.2	.0	.1	1.6		
10+	NO PCP	15.9	4.0	1.0	:1	3.5	6.1	12.8	19.8	.0	1.5	65.6		
	TOT &	16.1	4.1	1 1	1.0	3.8	6.4	13.1	20.0	. 0	1.6	67.2		

TOT DBS TOT PCT 24.4 6.0 1.7 1.6 5.5 10.0 19.2 29.2 .0 2.4 100.0

TABLE 9
PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

										• • •			
VSBY (NM)	SPD KTS	N	NE	E	SE	5	SW	W	NW	VAR	CALM	PCT	TOTAL
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0			
<1/2	4-10	.0	.0	.0	.0					.0		.1	
	11-21	.0	.0			.0		.0	.0	.0			
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT \$.0	.0							.0			
	0-3		.0	.0	.0	.0		.0		.0	.0		
1/2<1		.1		.0				.1	.1	.0		.4	
	11-21					.0			.1	.0		.2	
	22+	.0	.0	0	.0	.0	.0	.0	.0	.0		.0	
	70T %	•1	•				.1	.1	.2	.0	.0	.6	
	0-3		.0	.0	.0	.0				.0		.1	
142	4-10	.1			.0			.1	.1	.0		.4	
	11-21	.1		.0	.0			.0	.1	.0		.2	
	22+	.0	.0		.0	.0	.0	.0	.0	.0			
	TOT \$.2	.1		.0		.1	.1	.2	.0		.8	
	0-3			.0				.1		.0	.1	.3	
245	4-10	.3	.2			.1	.2	.4	.4	.0		1.6	
	11-21	.3	.1	.1			.1	.1	.2	.0		. 8	
	22+				.0	.0				.0		.1	
	TOT \$.7	.3	.1		.1	.3	.5	.6	.0	.1	2.8	
	0-3	.5	.2	.1	.1	.2	.3	.4	.4	.0	.7		
5410		3.7	1.2	.4	.3	.8	2.0	3.0	4.6	.0		15.9	
	11-21	2.6	.6	.1	.1	.3	.6	1.3	2.4	.0		8.0	
	22+	.2			.0			.1	.1	.0		.5	
	TOT \$	7.0	2.0	.6	.5	1.4	2.9	4.7	7.5	.0	.7	27.3	
	0-3	1.3	.6	.1	.2	.5	.8	1.0	1.2	.0	1.8	7.5	
10+	4-10	10.5	3.2	.7	. 8	2.4	4.6	9.2	13.2	.0		44.6	
	11-21	4.7	1.3	.2	.2	.7	1.2	2.6	5.1	.0		15.9	
	22+	.1							.1	.0		.4	
	TOT %	16.7	5.0	1.1	1.2	3.5	6.6	12.9	19.6	.0	1.8	68.4	
	TOT 085												9366
	TOT PCT	24.6	7.5	1.9	1.7	5.1	9.9	18.4	28.2	.0	2.7	100.0	

JULY PERIOD: (PRIMARY) 1922-1973 (OVER-ALL) 1857-1973 AREA 0008 DAKAR 14.9N 17.9W TABLE 10 PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

5000 5500 8000+ TOTAL NH <5/8 1.3 00403 .3 5.5 13.4 3.4 1.3 1428 1.0 1.7 90300 . 8 1.1 8.8 3.4 1.2 1.0 43.6 12615 .1 6.0 13.2 10.4 3.0 1.3 .9 2.1 38.1 1610 18621 .0 .0 .7 5.1 13.0 8.0 4.0 1.3 .6 1.9 34.7 105 1.0 355 874 5.9 14.5 514 208 8.5 3.5

TABLE 11 TABLE 12

0

CUMULATIVE PCT FREQ UF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8), BY HOUR PERCENT FREQUENCY VSgY (NM) BY HOUR 10+ TOTAL ORS 1000+ NH <5/8 AND5+ AND 5+ <1/2 1/2<1 245 5410 00603 2190 00603 1.5 9.0 26.5 1392 06609 1.1 2.6 2668 90300 2.1 11.4 34.4 1455 .7 2.9 12615 1572 .4 70.4 18821 . .8 3.1 2628 18821 .0 .8 28.5 62.9 1457 67.2 8.6 83 575 1759 1.4 9.8 29.9 3542 5876 60.3 100.0 63

TABLE 13 TABLE 14 PERCENT FREQUENCY OF WIND DIRECTION BY TEMP PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP TEMP F .1 .0 .0 1.1 .4 .2 17.9 17.4 2.0 13.6 26.6 7.8 1.4 6.1 2.7 .0 . .0 .0 . .0 2073 3093 769 34.0 50.7 12.6 90/94 85/89 80/84 75/79 70/74 65/69 60/64 TOTAL PCT .0 *
.4 .5
8.8 10.4
9.7 14.8
.9 3.1
* .0 7.1 12.6 4.2 * 120 2368 2979 622 2 .0 .1 1.1 1.0 .0 .4 1.5 .6 .0 .0 153 2.5 1.8 3.0 1.3 .1 .8 .7 .1 .0000000 ******** .6 .7 .1 .0 .00.000000 .000000000 .0

6097 100.0 1.7 24.4 1.4 5.3 10.0 19.8 28.9

TABLE 15 TABLE 16 PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR 1% MIN MEAN TOTAL OBS
71 64 77.6 2692
70 67 77.4 3650
73 70 79.9 2716
72 67 79.2 3548
71 64 78.5 12606 HOUR (GMT) 00803 06809 12815 18821 TOT 0-29 30-59 60-69 70-79 80-89 90-100 MEAN TOTAL MAX 99% 95% 50% 5% OBS 1561 1663 1590 1612 6426 88 87 92 94 73 72 75 74 73 58.6 60.2 39.1 43.6 3241 17.2 17.3 7.4 9.7 830 84 84 79 81 82 78 78 80 80 79 71 70 73 72 71 .1 .8 5.8 2.9 166 23.3 21.6 47.5 43.5 2180 .0

PERIOD: (PRIMARY) 1922-1973 (OVER-ALL) 1857-1973

TABLE 17

AREA 0008 DAKAR 14.9N 17.9W

PCT FREQ OF	AIR	TEMP	ERAT	AIR-	DEG F	MPERA	THE D	DIFFE	RENCE D	(DEG F)	THOUT	PRECIPITATIO	IN)
AIR-SEA	61	65	69	73	77	81	85	89	>92	TOT	w	WO	
THP DIF	64	68	72	76	80	84	88	92			FOG	FOG	
17/19	.0	.0	.0	.0			.0	.0	.0	2			
14/16	.0	.0	.0	.0	.0		.0	.0	.0	3	.0		
11/13	.0	.0	.0	.0						9	.0	.1	
9/10	.0	.0	.0		.1	.1			.0	18		.2	
7/8	.0	.0	.0		.2	.3	.1	.1	.0	49	.0	.7	
6	.0	.0	.0	. 1	.1	.2	.1		.0	33		.5	
5	.0	.0	.0	.2	.2	.4	.4	.0	.0	84	.1	1.2	
4	.0	.0		.1	.4	.6	.3	.0	.0	101		1.5	
3	.0	.0		.1	. 8	1.0	.4	.0	.0	157		2.2	
2	.0	.0		.4	1.3	1.9	.4	.0	.0	271		3.9	
1	.0	.0	.1	1.3	2.9		.2	.0	.0	504	.2	7.2	
0	.0	.0	.2	2.9	5.3	5.3	. 1	.0	.0	944	.3	13.5	
-1	.0	.0	.3	3,6	5.8	6.6	.1	.0	.0	1328	.5	18.9	
-2	.0	.0	.5	3,4	10.1	3.8		.0	.0	1212	.4	17.3	
-3	.0	.0	.3	3,1	8.7	1.7	.0	.0	.0	949	.3	13.6	
-4			.1	2,0	4.7	. 8	.0	.0	.0	526	. 2	7.5	
-5	.0		.1	1,8	3.0	.2	.0	.0	.0	357		5.2	
-6	.0	.0	.1	1.2	. 8		.0	.0	.0	140		2.1	
-7/-8	.0	.0	.1	, 9	.7	.1	.0	.0	.0	121		1.8	
-9/-10	.0	.0		,2	.2	.0	.0	.0	.0	27	.0	.4	
-11/-13	.0			.1		.0	.0	.0	.0	1,	.0	.2	
TOTAL	1		137		3318		147		1		147	6706	
		3		1461		1774		11		68 3			
PCT			2.0	21,3	48.4	25.9	2 - 1	. 2		100 -0	2.1	97.9	

PERIOD: (OVER-ALL) 1963-1973

TABLE 18

				PC	T FRED	DF WIND	SPEED	(KTS)	AND DIREC	TION V	ERSUS S	EA HEIG	HTS (FT)		
нст	1-3	4-10	11-21	N 22-33	34-47	48+	PCT		1-3	4-10	11-21	NE 22-33	34-47	48+	PCT
<1	.8	1.8	.2	.0	.0	.0	2.9		.2	.5	.0	.0	.0	.0	.7
1-2	.6	8.2	2.1	.0	.0	.0	10.9		.2	1.9	.4	.0	.0	.0	2.5
3-4	.1	3.7	3.3	.1	.0	.0	7.1		.1	. 8	.6	.0	.0	.0	1.4
5-6		.7	1.8	.1		.0	2.7		.1	.1	.2	.0	.0	.0	.4
7	.0	.1	.8		.0	.0	.9		.0	.1	.1		.0	.0	.2
8-9	.0	.0	.1	.0	.0	.0	.1		.0	.0		.0	.0	.0	
10-11	.0	.0			.0	.0	.1		.0	.0	.1		.0	.0	.1
12	.0		*		.0	.0	.1		.0	.0	.0	.0	.0	.0	.0
13-16	.0		.0		.0	.0	.1		.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	•0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0		•0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	•0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	0		.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.5	14.6	8.3	.4		.0	24.8		.6	3.2	1.4		•0	•0	5.3
				E								SE 22-33			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.1	.0	.0	.0	.0	.3		.1	.2		.0	.0	.0	.3
1-2	.1	.5	.1	.0	.0	.0	.6	4	.0	.4		.0	.0	.0	.4
3-4	.0	.1	.1	*	.0	.0	.2		.0	.2	.1	.0	.0	.0	.3
5-6	.0	.0	.1		.0	.0	.1		•0	. 1		.0	.0	.0	.1
7	.0	.0		.0	.0	.0			.0		.0		.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0		•0	.0	0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0		•0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0		•0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0		•0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	•0	.0	.0		•0	•0	.0	.0	•0	•0	.0
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	•0	.0	.0		.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0		•0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0		•0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	.7	.3	.1	.0	.0	1.3		.1	.9	.1		.0	.0	1.2

PERIOD:	COVE	R-ALL)	1963-1	973					JUL					AREA	0008		
								TABLE	18 10	ONT)					14.	9N 17	.9W
				PC	T FREQ	OF WIND	SPEED	(KTS)	AND D	IREC	TION	VERSUS	SEA HEIG	HTS (FT			
HGT	1-3	4-10	11-21	5 22-33	34-47	48+	PCT			-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	.2	.5	*****	.0	.0	.0	.7			.6	.9			.0	.0	1.5	
1-2	.2	1.7	.2	.0	.0	.0	2.1			.5	3.9	.5		.0	:0	4.9	
3-4		.8	.6	.1	.0	.0	1.5				1.2			.0	.0	2.0	
5-6		.1	.1	.0	.0	.0	.2			.0				.0	.0	.6	
7	.0				.0	.0	.1			.0				.0	.0	.2	
8-9	.0	.0	.1	.0	.0	.0	.1			.0	.0			.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0			.0				.0	.0		
13-16	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0		.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0		.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0		.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0		.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0			.0	• 0			.0	.0	.0	
TOT PCT	.4	3.1	1.1	.1	•0	.0	4.7		1	.0	6.2	2.0		.0	.0	9.2	
				w									NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT			-3	4-10			34-47	48+	PCT	PCT
<1	.7	1.9		.0	•0	.0	2.6			.7	2.7			.0	.0	3.5	
1-2	.6	8.9	1.2	.0	•0	.0	10.7			.5	12.0			.0	.0	14.9	
3-4	.1	2.9	1.4		•0	.0	4.4			.1	5.0			.0	.0	9.1	
5-6	.0	.2	1.3	.1	.0	.0	1.6			*	• 7				.0	2.8	
7	.0	.1	.3		.0	.0	.4			.0				.0	.0	.6	
8-9	.0		*	.0	.0	.0	. 1			.0	• 0			.0	.0	.5	
10-11	.0	.0	.0	.0	.0	.0	.0			.0	•0			.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0			.0	•0			.0	.0	.0	
17-19	.0	.0	.0	.0	•0	.0	.0			.0	•0			.0	.0	.0	
20-22	.0	.0	.0	.0	•0	.0	.0			.0	.0			.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
TOT PCT	1.3	14.0	4.3	•1	.0	.0	19.7			.4	20.5				.0	31.0	97.3

	MIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	7.5	8.8	.5	.0	.0	.0	16.7	463
1-6	3.0	36.9	6.6	.0	.0	.0	46.4	
3-4	.3	14.4	10.3	.3	.0	.0	25.5	
5-6	•1	1.9	5.7	.4		.0	8.2	
7	•0	.3	1.9	.2	.0	.0	2.4	
8-9	.0		.3	.1	.0	.0	.4	
10-11		.0	.1	.1	.0	.0	.2	
12	.0	.1			.0	.0	.1	
13-16	•0		.0		.0	.0	.1	
17-19	•0	.0	.0	.0	.0	.0	.0	
20-22	•0	.0	.0	.0	.0	.0	.0	
23-25	•0	.0	.0	.0	.0	.0	.0	
26-32	• 0	.0	.0	.0	.0	.0	.0	
33-40	•0	.0	.0	.0	.0	.0	.0	
41-48	•0	.0	.0	.0	.0	.0	.0	
49-60	•0	.0	.0	.0	.0	.0	.0	
61-70	•0	.0	.0	.0	.0	.0	.0	
71-86	•0	.0	.0	.0	.0	.0	.0	
87+	•0	.0	.0	.0	.0	.0	.0	
								3819
TOT PCT	10.9	62.4	25.5	1.1	*	.0	100.0	

PERIO	D: (DV	ER-ALL) 194	9-197	3				TABLE	19											
					PERCENT	FRE	QUENCY	OF W	AVE HEI	GHT (F	T) VS	WAVE P	ERIOD	(SECON	051						
PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	1:	2 13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN
<6	2.0	12.7	13.4	6.3	1.7	.3	.1		1 *	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1747	3
8-7		2.0	9.4	10.1	4.4	.9	.6				.0	.0		.0	.0	.0	.0	.0	.0	1314	5
8-9	.0	.5	2.4	3.5	2.4	1.2	.4		.1	.0		.0	.0	.0	.0	.0	.0	.0	.0	503	6
10-11	.0	.6	1.0	1.1	.7	.3	.1				.0	.0	.0	.0	.0	.0	.0	.0	.0	187	5
12-13	.0	.0	1.0	.6	.3	.2		,		.0		.0	.0	.0	.0	.0	.0	.0	.0	101	5
>13	.0	.0	.0	.6	.2	.1		.1	0 .0	.0					.0	.0	.0	.0	.0	45	6
INDET	3.4	5.5	4.8	2.2	1.6	.3	.2			.0		•0	.0		.0	.0	.0	.0	.0	849	3
TOTAL	258	1014	1519	1157	538	155	70	2	1 12	2	0	0	0	0	0	0	0	0	0	4746	4
PCT	5.4	21.4	32.0	24.4	11.3	3.3	1.5				.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1922-1973 (OVER-ALL) 1855-1973

0 0

TABLE 1

AREA 0008 DAKAR 14.9N 17.9W

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	NO SIG WEA
N	1.9	1.2	.3	.0	.0	.0	.1	3.5	1.2	2.9	1.1	.0	3.9	.1	87.9
NE	3.7	1.3	.4	.0	.0	.0	.2	5.5	1.0	5,3	2.2	.0	4.6	.9	81.8
E	6.7	6.7	.4	.0	.0	.0	.0	13.8	7.6	7.7	.9	.0	2.1	1.0	68.3
SE	7.2	4.4	.7	.0	.0	.0	.0	12.3	4.4	4.4	1.7	.0	.7	.6	76.4
S	4.7	4.1	.6	.0	.0	.0	.0	9.5	4.6	4.2	1.3	.0	.9	.3	80.1
SW	4.1	5.5	1.3	.0	.0	.0	.0	10.8	6.9	2.4	.9	.0	.3	.0	79.0
	3.0	5.0	.6	.0	.0	.0	.0	8.5	4.0	3.0	1.1	.0	1.0		82.5
NW	2.1	2.2	.3	.0	.0	.0	.0	4.6	1.6	2.7	1.5	.0	1.5	.3	88.2
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	2.4	.5	.5	.0	.0	.0	.5	3.9	3.9	3.9	.5	.0	4.4	1.5	83.4
TOT PCT TOT DBS:	3.1	3.2	,5	.0	.0	•0	.1	6.8	3.2	3,3	1.2	.0	2.0	.3	83.7

TABLE 2

PERCENT	FREGUENCY	OF	MEATHER	DECURRENCE	RY	HOLLE

											- A	**			
			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	NO SIG WEA
00603	3.3	3.2	.7	.0	.0	.0	.1	7.2	3.4	6.4	1.2	.0	1.9	.2	80.5
90300	4.7	3.9	.4	.0	.0	.0	.1	9.1	2.9	5.5	1.7	.0	1.6	.4	79.9
12615	2.2	2.4	.3	.0	.0	•0	.1	5.0	4.2	.4	.8	.0	2.2	.3	87.2
18621	2.7	3.3	.8	.0	.0	•0	.0	6.7	2.3	1.1	1.7	•0	2.3	•1	86.0
TOT PCT	3.2	3.2	.5	.0	.0	•0	-1	7.0	3.2	3.3	1.4	.0	2.0	.3	83.4

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

MND DI	R 0-3			ED (KN 22-33		48+	TOTAL PCT		00	03	06	HDUR 09	(GMT)	15	18	21
N	2.2	13.4	5.8		.0	.0	21.7		19.8	18.1	19.8				23.5	
NE	.7	5.5	2.4		.0	.0	8.7		7.7	6.4	8.1	11.3			7.1	
E	.4	1.7	.6			.0	2.8	8.7	2.3	.0	2.5	3.6	4.2	1.4	2.6	2.1
SE	.3	1.7	.6	.1		.0	2.7	8.4	2.0	.7	2.5	2.8	4.0	4.3	2.5	2.5
S	1.2	4.8	2.1	.2		.0	8.4	8.6	8.7	6.0	7.2	6.6	8.4	10.4	9.8	9.1
SW	1.4	8.6	4.2	.4	.1	.0	14.7	9.3	16.7	13.3	15.3	12.7	12.1	13.0	15.0	16.2
W	1.3	11.4	4.5	.2		.0	17.4		18.7	23.4	18.1	15.7	15.4	15.8	17.4	18.7
NW	1.4	13.0	5.9	.2	.0	.0	20.5		19.8	25.0			19.5		19.9	
VAR	.0	.0	.0			.0	.0		.0	.0				.0	.0	
CALM	3.1						3.1		4.2	7.0	3.6	3.2	2.4	2.8	2.3	2.0
TOT DE		7446	3229	209	13	0	12389	8.6	2474	171	2439	1117	2482	181	2352	
TOT PO		60.1	26.1	1.7	.1	.0	100.0		100.0	The second second	100.0			100.0		

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WND DIR	0-6	WIND	SPEED 17-27	(KNDTS)	41+	TOTAL	PCT	MEAN	00	HOUR 06	(GMT	18
						DAS	FREQ	SPD	03	09	15	21
N	7.9	12.2	1.6		.0		21.7	8.8	19.7	21.0	23.7	22.6
NE	3.2	4.7	.7		.0		8.7	8.9	7.7	9.1	10.2	7.8
E	1.4	1.1	.3	.1	.0		2.8	8.7	2.1	2.8	4.0	2.4
SE SE	1.2	1.3	.2		.0		2.7	8.4	1.9	2.6	4.0	2.5
S	3.7	4.0	.7	.1	.0		8.4	8.6	8.6	7.0	8.6	9.5
SW	5.3	8.0	1.2	.1	.0		14.7	9.3	16.5	14.5	12.1	15.4
W	6.5	9.8	1.1		.0		17.4	8.7	19.0	17.3	15.6	17.8
NW	6.7	12.3	1.4		.0		20.5	9.1	20.2	22.3	19.4	19.8
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	3.1		days of				3.1	.0	4.4	3.5	2.4	2.2
TOT OBS	4838	6611	895	45	0	12389		8.6	2645	3556	2663	3525
TOT PCT	39.1	53.4	7.2	.4	.0		100.0		100.0	100.0	100.0	

AUGUST

PERIOD: (PRIMARY) 1922-1973 (OVER-ALL) 1855-1973

AREA 0008 DAKAR 14.9N 17.9W

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

				WIND	SPEED (KNOTS)			PCT	TOTAL
HOUR	CALM	1-3	4-10	11-21	22-33	34-47	48+	MEAN	FREQ	OBS
00603	4.4	7.8	61.1	25.1	1.5	.1	.0	8.4	100.0	2645
90360	3.5	9.2	60.5	25.2	1.6	.1	.0	8.5	100.0	3556
12615	2.4	9.5	58.1	28.0	2.0		.0	8.9	100.0	2663
18421	2.2	9.2	60.5	26.2	1.7	.2	.0	8.7	100.0	3525
TOT	382	1110	7446	3229	209	13	0	8.6		12389
PCT	3.1	9.0	60.1	26.1	1.7	.1	.0		100.0	

PCT FREQ OF TOTAL CLOUD ANOUNT (EIGHTHS) BY WIND DIRECTION PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) BY WIND DIRECTION AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION	
MEAN	
WND DIR 0-2 3-4 5-7 8 % TOTAL CLOUD 000 150 300 600 1000 2000 3500 5000 6500 8000+ NH <5/	003
N 6.3 5.1 7.8 4.2 4.4 .1 * .1 1.0 3.0 1.8 .7 .4 .3 .5 15.6	
NE 1.6 1.2 2.4 1.4 4.8 * .0 * .3 1.0 .7 .3 .1 .1 .1 3.9	
E .4 .3 1.1 .5 5.3 * .0 * .1 .4 .2 .2 .1 .0 .1 1.2	
SE .4 .3 .9 .6 5.4 * .0 * * .4 .2 .1 .1 .0 * 1.2	
\$ 1.7 1.6 3.4 1.7 5.0 * * .1 .5 1.1 .8 .2 .1 .1 * 5.5	
SW 2.2 2.4 5.5 3.3 5.3 .1 * .2 .9 2.0 1.3 .5 .2 .1 .1 7.9	
W 3.6 3.7 6.7 3.9 4.9 * * .3 1.2 2.2 1.6 .6 .2 .2 .3 11.1	
NW 5.7 4.7 7.5 4.6 4.6 * .0 .1 1.1 3.0 2.2 .7 .2 .2 .3 14.7	
VAR .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	
CALM 1.2 .6 1.1 .5 4.0 * .0 * .2 .2 .3 * .0 .0 .1 2.5	
TOT 085 1233 1073 1949 1111 5366 4.8 15 5 47 292 721 492 180 74 46 82 3412	5366
TOT PCT 23.0 20.0 36.3 20.7 100.0 .3 .1 .9 5.4 13.4 9.2 3.4 1.4 .9 1.5 63.6	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CETLING MEIGHT (NH >4/8) AND VSBY (NM)

					VSBY (NE	1)			
	CEILING	. OR	- DR	- CR	- DR	- nR	- OR	- DR	- DR
	(FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
. 0	R >6500	1.8	2.4	2.4	2.4	2.4	2.4	2.4	2.4
. 0	R >5000	3.0	3.7	3.8	3.8	3.8	3.8	3.8	3.8
	K >3500	5.5	6.9	7.1	7.1	7.1	7.1	7.1	7.1
. 0	R >2000	12.4	15.8	16.2	16.2	16.2	16.2	16.2	16.2
	R >1000	22.3	28.4	29.5	29.6	29.6	29.6	29.6	29.6
	R >600	26.1	33.5	34.8	34.9	34.9	34.9	35.0	35.0
	R >300	26.5	34.2	35.7	35.8	35.8	35.8	35.8	35.8
	R >150	26.0	34.2	35.7	35.9	35.9	35.9	35.9	35.9
. 0		26.7	34.4	36.0	36.1	36.1	36.2	36.2	36.2
	TOTAL	1506	1942	2031	2037	2038	2040	2042	2042

TOTAL NUMBER OF OBS: 5642 PCT FREQ NH <5/8: 63.8

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 OBSCO OBS 12.9 10.6 14.6 14.0 10.7 7.7 8.3 7.7 13.3 .2 6001

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							AU	GUST						
PERIOD: (PRIMARY) 1 (OVER-ALL) 1	922-1973 855-1973						TA	BLE 8				ARE	A 0008 DA	KAR N 17.9
		PI	RCENT	PREC	PITAT	DIRE	CTION TH VAR	VS OCC	URRENCE ALUES	F VIS	IBILI	URRENC	E OF	
VSBY (NM)		N	NE	F	SF	5	SW		NY	VAR	CALM	PCT	TOTAL	
<1/2	PCP ND PCP TOT %	.0	.0	.0		:	:	.0		.0	.0	·1		
1/2<1	PCP NO PCP TOT \$.0 .1	.0	.0	:	.0	.0	.0 .1	.0	.0	.0	:6		
142	PCP NO PCP TOT %	.1 .1	.1	.0	.0	:	.1	:	.0	.0	.0	.1		
2<5	PCP NO PCP TOT %	:	•1	.1 .1	.1 •	:1	.2	.2	.1	.0	:	1.3		
5<10	PCP NO PCP TOT %	.5 5.0 5.5	2.1	.2	.1 .7 .8	1.8	.9 2.8 3.7	3.9	4.8 5.5	.0	.6	4.0 22.0 26.0		
10+	PCP NO PCP TOT %	15.9	4:3 4:4	1:6	1.5	5.9 6.2	9:3 9:7	12.6	15.5 15.8	:0	2.2	1.9 68.9 70.8		
	TOT OBS	22.3	7.0	2.4	2.5	8.7	13.8	18.4	21.8	.0	2.9	100.0	6936	

TABLE 9

				PERCEN	T FREQ	OF WI	ND DIR	S OF V	VS WI	ND SPE	ED		
VSBY (MM)	SPD	N	NE	E	SE	s	SW	W	NW	VAR	CALM	PCT	TOTAL DBS
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10		.0	.0	.0	.0		.0		.0			
	11-21	.0	.0	.0	.0				.0	.0			
	22+	.0	.0				.0	.0	.0	.0			
	TOT \$	•	.0							.0	.0	.1	
	0-3			.0			.0	.0		.0	.0	.1	
1/2<1				.0				.1	.2	.0		.3	
	11-21									0		.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT \$.1	.1					1	.2	.0	.0	.6	
	0-3			.0	.0	.0	.0	.0	.0	.0		.1	
1<2	4-10	.1			.0					.0		.2	
	11-21		.1	.0	.0			.1		.0		.2	
	22+	.0	.0	.0	.0	.0		.0	.0	.0			
	TOT \$	-1	.1		.0	•1	.1	.1		.0		.5	
	0-3	.1			.0			.0		.0	.1	1.3	
2<5	4-10	.3	.1			.1	.2	.3	.2	.0		1.3	
	11-21	.1	.1		.1	.1	.2	.2	.1	.0		.9	
	22+		.0		.0					.0		.2	
	TOT \$.5	.2	.1	.1	.3	.4	.5	.4	.0	.1	2.6	
	0-3	.4	.2	.1	.1	.3	.2	.3	.4	.0	.7	2.8	
5<10		3.2	1.3	.4	.5	1.1	2.0	2.9	3.2	.0		14.7	
	11-21	1.6	.9	.2	.2	.6	1.3	1.3	1.4	.0		7.4	
	22+	.1	.1	.1		.1	.1	.1	.1	.0	1000	.6	
	TOT \$	5.4	2.4	.7	.8	2.1	3.7	4.5	5.1	.0	.7	25.5	
	0-3	1.6	3:5	.2	.2	.8	.9	1.0	1.0	.0	2.2	8.2	
10+	4-10	10.1	3,5	1.0	1.2	3.6	6.2	8.0	9.6	.0		43.2	
	11-21	4.6	1.3	.4	.3	1.4	2.8	3.2	4.6	.0		18.6	
	22+	.2	.1	.1			.2	.1	.1	.0		.7	
	TOT %	16.4	5.2	1.7	1.8	5.8	10.0	12.3	15.3	.0	2.2	70.7	
	TOT OBS												9080
	TOT PCT	22.5	8.1	2.6	2.8	8.3	14.2	17.5	21.0	.0	3.1	100.0	

AUGUST

PERIOD: (PRIMARY) 1922-1973 (OVER-ALL) 1855-1973

TABLE 10

AREA 0008 DAKAR 14.9N 17.9W

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	149	150 299	300 599	999	1999	2000 3499	3500 4999	5000	6500	8000+	TOTAL	NH 45/8 ANY HGT	TOTAL
00603	.4	.1	1.1	4.8	12.1	6.8	2.9	.9	.4	1.1	30.5	69.5	1386
06609	.4	.1	.4	7.1	13.2	10.0	3.3	1.3	.6	1.8	38.2	61.8	1412
12615	.1	.1	.6	4.8	14.0	10.1	3.5	1.3	1.1	1.8	37.3	62.7	1589
18621	.2	.1	1.5	4.3	12.5	8.5	3.2	1.7	1.2	1.5	34.5	65.5	1427
TOT	15	.1	50	305	755	517	186	76	48	90	2047	3769	5816

											MADE			
		PERCENT	FREQUEN	CY VSBY	(NM)	BY HOUR		CUMULAT					VSBY (NM)	
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL
00603	.2	.6	.4	2.1	24.9	71.8	2185	00603	.4	1.6	8.1	24.3	67.6	1327
06609	.2	.7	.5	2.7	29.6	66.4	2560	90360	.4	1.1	10.4	29.4	60.2	1379
12615	.0	.4	.4	2.9	21.5	74.9	2227	12615	•1	.7	7.5	31.2	61.3	1554
18621	.1	.8	.7	2.6	26.0	69.9	2515	18621	.2	1.8	7.7	28.4	63.8	1382
TOT PCT	12	60	46	242	2434 25.7	6693 70.5	9487 100.0	TOT PCT	15	72 1.3	476 8.4	1605	3561 63.1	5642 100.0

TABLE 13

	PERC	ENT FR	EQUENC	Y OF R	ELATIV	E HUMI	DITY B	Y TEMP		
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL	FREQ
90/94	.0	.0	.0	.0	.1		.1	.0	12	.2
85/89	.0	.0	.0		.7	1.9	.6	.1	198	3.4
80/84	.0	.0	.1	.1	1.9	23.8	28.5	4.5	3455	38.8
75/79	.0	.0	.0		.4	6.9	19.3	9.6	2127	36.2
70/74	.0	.0	.0	.0		.1	.5	.7	77	1.3
65/69	.0	.0	.0	.0	.0	.0	.0		2	•
TOTAL	0	0	3	9	179	1924	2875	881	5871	100.0
PCT	-0	-0	-1	. 2	3.0	39.8	49.0	15.0		

TABLE 14

	PERCE	NT FR	EQUENC	Y OF W	IND DI	RECTIO	N BY T	EMP	
N	NE	E	SE	s	SW	¥	NW	VAR	CALM
.1		.0	.0	.0				.0	
1.0	.2	.2	.1	.5	.3	.4	.5	.0	.1
12.4	3.5	1.2	1.4	5.3	8.2	11.5	13.2	.0	2.2
9.6	2.9	.9	.8	2.3	4.6	6.3	8.2	.0	.7
.3	.2			.2	.1	.2	.1	.0	.1
	.0	.0		.0	.0	.0	.0	.0	.0
23.4	6.8	2.3	2.3	8.3	13.2	18.4	22.1	.0	3.0

TABLE 15

	MEANS,	EXTREME	S AND	PERCEN	TILES	OF TER	P (DE	G F) 8	Y HOUR
HOUR (GMT)	MAX	998	95%	50%	5%	1\$	MIN	MEAN	TOTAL
00603	87	83	82	79	75	73	66	79.0	2755
06609	89	84	82	79	75	73	68	78.8	3656
12615	94	89	86	81	77	74	67	81.3	2723
18621	94	87	85	81	76	74	68	80.5	3575
TOT	94	87	84	80	76	73	66	79.9	12709

TABLE 16

	PERC	ENT FRE	MOENCA	OF RELA	I I AE M	MIDITY	BY HOUR	
HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
00603	.0	.1	.7	22.9	58.3	18.0	84	1520
06609	.0	.1	.7	21.8	57.3	20.2	84	1598
12615	.0	.3	6.2	45.6	37.0	11.0	80	1577
18821	.0	.4	4.6	40.9	43.3	10.8	61	1512
TOT	0	13	188	2035	3039	932	82	6207

PERIOD: (PRIMARY) 1922-1973 (UVER-ALL) 1855-1973

TABLE 17

AREA 0008 DAKAR 14.9N 17.9W

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FDG (MITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

					100,000							
AIR-SEA THP DIF	45	69 72	73 76	77 80	81	85	89 92	>92	тот	FOG	FOG	
14/16	.0	.0	.0	.0			:	:0	;	:0	.1	
11/13	.0	.0	.0	.0	.1	•		.0			.1	
9/10	.0	.0	.0		.1		.1		23		.3	
7/8	.0	.0	.0	.1	.2	:3	.1	.0	40	.0	1.4	
0	.0	.0	.0	.1	.3	.3		.0	56			
5	.0	.0		.2	.6	.4	.1	.0	89		1.4	
4	.0	.0		.3	1.0	.7		.0	133	.0	2.1	
3	.0	.0	.1	.5	1.5	:7		.0	185		2.8	
2	.0	.0		1.0	3.1	.6		.0	314	.1	4.6	
1	.0	.0	.2	2.8	6.1	.3	.0	.0	612	.2	9.3	
0	.0		.3	6.7	9.4	.3	.0	.0	1088	.3	15.5	
2 1 0 -1	.0	.0	.6	11.5	9.5		.0	.0	1401	.5	21.1	
-2	.0	.0	.9	10.5	4.6	.0	.0	.0	1039	.2	15.8	
-3			.9	7.9	1.9		.0	.0	698	.1	10.7	
-4	.0		. 8	4.0	.,		:0	:0	378		5.0	
-5	.0	.0	.9	2.0		.0	.0	.0	226	.0	3.5	
-6	.0		.6			.0		.0	101	.0		
-7/-8				.9			.0	.0	61	.0	1.6	
-9/-10		.1	.4	.4	.1	.0	.0	.0			.9	
	.0		.2	.2	.0	.0	.0	.0	25		• •	
-11/-13	.0				.0	.0	.0	.0	5	.0	.1	
TOTAL	1	- Comment	392	1	2593	1000	34			91	6394	
		20		3191		253		1	6485			
PCT		.3	6.0	49.2	40.0	3.9	.5		100.0	1.4	98.6	

PERIOD: (OVER-ALL) 1963-1973

TABLE 18

				PC	T FREQ	OF WIND	SPEED	(KTS)	AND DIR	ECTION V	ERSUS S	EA HEIG	HTS (FT)	
HGT	1-3	4-10	11-21	N 22-33	34-47	48+	PCT		1-3	4-10	11-21	NE 22-33	34-47	48+	PCT
<1	1.0	1.6	.1	.0	.0	.0	2.8		.3	.5	.1	.0	.0	.0	.8
1-2	.7	8.3	1.3	.0	.0	.0	10.3		.1	2.5	.3	.0	.0	.0	3.0
3-4	.1	3.7	3.2	.1	.0	.0	7.1		.0	.6	.7		.0	.0	1.3
5-6	.0	.5	2.0	.1	.0	.0	2.6		.0		.3		.0	.0	.5
7	.0	.1	.7	.3	.0	.0	1.1		.0		.2		.0	.0	.2
8-9	.0		.3	.0	.0	.0	.3		.0	.0	.1	.1	.0	.0	.1
10-11	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
12	.0	.0		.0	.0	.0			.0		.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0		.0		.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0		.0		.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0		.0		.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0		.0		.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0		.0		.0	.0	.0	.0	.0
33-40	.0	.0	0	.0	.0	.0	.0		.0		.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	0	.0		.0		.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0		.0		.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0		.0		.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.6	14.3	7.6	.5	.0	.0	24.2		.4	3.8	1.6	.1	.0	.0	5.9
				E								SE			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3		11-21	22-33	34-47	48+	PCT
<1	.1	:3	.0	.0	.0	.0	:\$		•1	:1	.0	.0	.0	.0	.2
1-2	.1	.5	.1	.0	.0	.0	.7					.0	.0	.0	1.0
3-4 5-6	.0	.1	.3		.0	.0	3 3 .0		.0	.3	•2		.0	.0	.5
5-6	.0		:1	:1	.1	:0	.3		.0	.0	.1	:1	.0	:0	:1
7	.0	.1	.1	.1	.0	.0	.3		.0	• 0	.0	.1	.0	.0	.1
8-9	.0	.0	.0	.0	.0	.0	.0		.0		.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0		.0		.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0		.0		.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0		.0		.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0		.0		.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0		.0		.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0		.0		.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0		.0		.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0		.0		.0	.0	.0	.0	.0
TOT PCT	•2	1.0	.7	.2	•1	.0	2.2		.1	1.2	.5	.1	.0	.0	2.0

PERIOD:	OVE		1963-1	971					AUG	UST				AUCA	0008	DAVAG	
	(0.5		. 103-1	.,,,				TABLE	18	(CONT)				AREA	14.		.94
				PC	T FREQ	OF WIND	SPEED	(KTS)	AND	DIREC	TION	VERSUS	SEA HEIG	HTS (FT)			
				s									SW				
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT			1-3	4-10		22-33	34-47	48+	PCT	
<1	.5	.9		.0	.0	.0	1.5			.5	1.3		.0	.0	.0	2.0	
1-2	.1	2.8	.3	.0	.0	.0	3.3			.1	4.5		.0	.0	.0	5.6	
3-4	.1	. 8	7	.1	.0	.0	1.7				1.8		.1	.0	.0	3.1	
5-6	.0	.3	.4	.1	.0	.0	. 8			.0	.5		.1	.0	.0	1.6	
8-9	.0	.0	.1	.0	.0	.0	.1			.0		.5	:1	.0	.0	.6	
10-11	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	•1	
12	.0	.0	.0	.0	.0	.0							.0	.0			
13-16	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.7	4.9	1.6	.2	•0	.0	7.4			.6	8.2	4.0	.3	.0	•0	13.1	
													NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT			1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.8	2.4	.1	.0	.0	.0	3.2			.6	2.2		.0	.0	.0	2.8	
1-2	.5	6.7	.9	.0	.0	.0	8.0			.7	8.3		.0	•0	.0	10.4	
3-4	.1	2.6	2.5		.0	.0	5.2			.0	3.0	3.3		.0	.0	6.3	
5-6	.0	.4	1.9		.0	.0	2.3			.0	.4	2.0	.1	.0	.0	2.5	
7	.0	.0	.3	.1	.0	.0	.3			.0		.3	.1	.0	.0	.4	
8-9	.0	.0	.1	.1	.0	.0	.1			.0	.0			.0	.0		
10-11	.0	.0	.0	.0	.0	.0	.0			.0	.0	.1	.0	.0	.0	.1	
12	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
33-40 41-48	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
TOT PCT	1.3	12.0	5.8	.2	.0	:0	19.2			1.3	13.9		.2	.0	.0	22.5	96.4

	MIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	9.0	9.4	.4	.0	.0	.0	10.8	003
1-2	2.6	33.8	5.5	.0	.0	.0	41.9	
3-4	.3	12.7	11.7	.4	.0	.0	25.0	
5-6	.0	2.3	7.7	.5	.1	.0	10.5	
7		.7	2.0	.7	.0	.0	3.0	
8-9	.0		.5	.2	.0	.0	.7	
10-11	.0	.0	.1	.0	.0	.0	.1	
12	.0			.0	.0	.0	.1	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	•0	.0	.0	.0	.0	.0	.0	
41-48	•0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								3411
TOT PCT	12.0	58.4	27.9	1.8	.1	.0	100.0	

PERIOD: (PRIMARY) 1923-1973 (OVER-ALL) 1856-1973

TABLE 1

AREA 0008 DAKAR 14.8N 17.9W

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

												- Colonial C			
			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHENO	MENA	
WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HATL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	NO SIG WEA
N NE	1.9	1:7	:1	.0	:0	.0	:1	2.8	2.2	3.8	2.2	.0	5.4	:3	85.1
E SE	9.4	2.5	1.9	.0	.0	.0	.0	13.9	6.5	11.7	. 8	.0	1.1	.8	67.2
SE	5.3	3.9	1.5	.0	.0	•0	.0	10.9	3.3	5.1	.3	.0	1.3	.0	77.2
SW	4.9	2.4	1.3	.0	.0	•0	.5	8.6	3.4	4.1	1.1	.0	2.9	.2	80.5
NW	1.5	1.4	:2	.0	.0	.0	.0	2.5	1.7	3.0	1.0	.0	3.3	:1	87.4
VAR	2.7	.0	.0	.0	.0	•0	.0	.0	0		.0	.0	.0	.0	.0
CALH	2.1		.*	.0	.0	•0	.0	3.8	1.5	10.8	.4	.0	2.7	.0	80.8
TOT DES:	6473	1.5	.6	.0	.0	•0	•	5.5	2.4	5.0	1.3	•0	3.1	.2	83.1

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE												PHEND	MENA	
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HATL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	NO SIG WEA
00603 06609 12615 18621	3.7 5.8 2.9	1.1 2.2 1.6 1.3	1.1	.0	.0	•0	.0 .0 .1	5.2 9.1 5.0 3.1	2.0 2.8 3.1 1.8	11.1 8.2 .4 1.3	1.7 .7 1.8	.0	2.3 2.5 3.7 3.9	.2 .1 .5	79.1 77.0 86.8 88.2
TOT PCT	3.4	1.6	.6	.0	.0	•0		5.6	2.4	5.1	1.3	.0	3.1	.2	82.8

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		WI	D SPE	ED (KN	OTS)								HOUR	(GMT)				
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	FREQ	SPD	00	03	06	09	12	15	18	21	
N NE	2.4	13.2	8.1	.5		.0		24.2	9.5	23.0						26.4	22.4	
-	1.2	7.1	1.5	:3		.0		12.8	9.5	11.8	2.7	11.7		14.3	11.4	12.3	13.6	
SE	.6	3.2	1.6	.3		.0		5.7	9.7	4.8		5.6		6.8	9.5	5.3	4.3	
S	1.5	5.4	2.2	.3		.0		9.4	8.6	9.3	6.5	8.9	8.3	9.9	8.8	10.4	9.3	
SW	1.3	6.5	2.1	.1		.0		10.0	8.0	11.4	13.8	10.7	7.6	8.5	8.0		11.8	
	1.4	8.2	1.8		.0	.0		11.5	7.3	11.8	12.1	11.6	11.3	10.5	9.5	11.9	12.1	
NW	1.8	10.5	3.7	.1		.0		16.1	8.1	16.9	20.3	18.1	15.9	14.0	17.2	15.2	16.2	
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	4.7							4.7	.0	6.4	8.0	5.4	4.4	3.6	1.5	3.6	4.8	
TOT OBS	1750	6511	2857	220	17	0	11349		8.4	2252	138	2226	978	2335	134	2257	1029	
TOT PCT	15.4	57.4	25.2	1.9	.1	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TABLE 3A

		WIND	SPEED	(KNOTS)						HOUR	(GHT)
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL	PCT	MEAN	00	06	12	18
						DAS	FREQ	SPD	03	09	15	21
N	7.9	13.8	2.4	.1	.0		24.2	9.5	22.7	23.0	25,8	25.1
NE	4.4	7.0	1.4	.1	.0		12.8	9.5	11.8	12.9	14.0	12.7
E	2.0	2.8	.6	.1	.0		5.6	9.6	4.5	5.7	6.9	5.3
SE	2.0	3.0	.6	•1	.0		5.7	9.7	5.0	6.0	6.9	5.0
5	4.2	4.3	.9	.1	.0		9.4	8.6	9.2	8.7	9.8	10.0
SW		4.8	.6	•1	.0		10.0	8.0	11.5	9.7	8.5	10.4
W	5.7	5.4	.3		.0		11.5	7.3	11.8	11.5	10.4	12.0
NW	6.8	8.7	.5		.0		16.1	8.1	17.1	17.4	14.2	15.5
VAR	.0	.0	:0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	4.7						4.7	.0	6.5	5.1	3.4	4.0
TOT OBS	4802	5649	842	56	0	11349		8.4	2390	3204	2469	3286
TOT PCT	42.3	49.8	7.4	.5	.0		100.0		100.0	100.0	100.0	100.0

SEPTEMBER

PERIOD: (PRIMARY) 1923-1973 (UVER-ALL) 1856-1973

TABLE 4

AREA 0008 DAKAR 14.8N 17.9W

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	MIND	SPEED (48+	MEAN	PCT	TOTAL
00603	6.5	11.3	57.2	23.4	1.6		.0	8.0	100.0	2390
90300	5.1	11.2	56.2	25.2	2.1	.1	.0	8.3	100.0	3204
12615	3.4	9.6	56.7	28.0	2.1	.2	.0	8.9	100.0	2469
18621	4.0	10.6	59.1	24.3	1.9	.1	.0		100.0	3286
TOT	534	1216	6511	2857	220	11	0	8.4		11349
PCT	4.7	10.7	57.4	25.2	1.9	.1	. 0	•••	100.0	

	(ADLE)											1 4	ABLE 0					
,	PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION HEAN WNO DIR 0-2 3-4 5-7 8 6 TOTAL CLOUD								PERCEN	TAGE F	REQUEN	CY OF	CEILIN NH <5/	B BY	IND D	FT, NH	>4/8) JN	
WND DIR	0-2	3-4	5-7	8 & 085CD	TOTAL	COVER	000 149	150 299	300 599	999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH C5/8 ANY HGT	
N	10.7	5.3	6.7	3.0		3.5	.1	.0	.1	.9	2.0	1.3	.7	.2	.1	.7	19.8	
NE	3.7	2.1	2.9	1.7		3.9			.1	.4	.9	.6	.4	.1	.1	.3	7.3	
E	.7	.7	2.1	1.8		5.8			.2	.3	1.0	. 8	.3		.0	.1	2.5	
SE	.9	.9	2.3	1.6		5.5		.0	.1	.4	.9	.5	. 1	1		.1	3.3	
S	2.1	1.8	3.8	1.9		4.9			.2	.6	1.2	.7	.4	.1		.1	6.3	
SW	2.4	2.1	3.2	2.0		4.7	.1		.1	.5	.9	.8	.4	.2		.2	6.6	
	3.8	2.8	3.5	1.8		4.1		.0	.1	.4	.9	.7	.2	.1	.1	.3	9.0	
NW	6.3	4.0	5.0	2.0		3.7		.0	.1	.4	1.3	1.2	.4	.2	.1	.2	13.4	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	1.3	1.1	1.2	.8		4.0	.0	.0		.3	.4	.3		.0	.1		3.1	
TOT OBS	1640	1063	1577	847	5127	4.2	14	3	54	221	485	359	145	58	28	109	3651	5127
TOT PCT	32.0	20.7	30.8	16.5	100.0		.3	.1	1.1	4.3	9.5	7.0	2.8	1.1	.5	2.1	71.2	100.0

TABLE 7

CUMULATIVE PCT F	REQ (OF S	IMULT	ANFOUS	DCC	URREN	CE
OF CEILING HEI	GHT	(NH	>4/81	AND V	SBY	(MM)	

				VSBY (NE	1)			
CEILING	· OR	- OK	. OR	= DR	. OR	- DR	- DR	- DR
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
- DR >6500	2.2	2.7	2.8	2.8	2.8	2.8	2.8	2.8
■ DR >5000	3.1	3.8	3.9	3.9	3.9	3.9	3.9	3.9
■ DR >3500	5.5	6.5	6.6	6.7	6.7	6.7	6.7	6.7
- OR >2000	10.8	13.2	13.4	13.5	13.5	13.5	13.6	13.6
■ DR >1000	17.7	21.9	22.5	22.6	22.7	22.7	22.7	22.7
■ DR >600	20.5	26.1	26.8	26.9	27.0	27.1	27.1	27.1
■ DR >300	21.1	27.0	27.9	28.0	28.1	28.1	28.2	28.2
. DR >150	21.1	27.0	27.9	28.0	28.2	28.2	28.2	28.2
. DR > 0	21.1	27.1	28.1	28.3	28.4	28.4	28.5	28.5
TOTAL	1157	1487	1543	1552	1558	1561	1562	1564

TOTAL NUMBER OF OBS: 5487 PCT FREQ NH <5/8: 71.5

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 085CD 085 20.2 13.6 15.2 12.3 9.7 6.0 6.6 6.1 10.3 .2 5781

SEPTEMBER

PERIOD:	(PRIMARY)	1923-1973
- Serveren	(OVER-ALL)	1854-1972

TABLE &

AREA 0008 DAKAR 14.8N 17.9W

		,	ERCENT	PREC	PITAT	DO DIRE	CTION TH VAR	VS DCC	ALUES	E DR N	IBILI	CURRENC	E OF
VSBY (NM)		N	NE	•	SE	5	SH		NW	VAR	CALM	PCT	TOTAL
	PCP		.0		.0	.0			.0	.0	.0	.1	
(1/2	NO PCP	.0	.0		.0	.0	.0	.0	.0	.0	.0		
	TOT &		.0		.0	.0			.0	.0	.0	.1	
	PCP							.0	.0	.0	.0	.1	
1/2<1	NO PCP	.3	:		.0	:1	:1	.1	.1	.0	.0	.7	
	TOT &	.3		.1	•	.1	.1	.1	.1	.0	.0	.8	
	PCP								.0	.0	.0	.2 .7 .8	
142	NO PCP	.2	.1	:1			:1	:1	.1	.0		.7	
	101 \$.2	.1	.1			.1	.1	.1	.0		.8	
	PCP	.1	.1	.2		.1		.1	.1	.0		.7	
2<5	NO PCP	.3	.1	.1		.1	:1	.1	.1	.0		. 8	
	TOT \$.4	.1	.1	.1	:1	.1	.1	.2	.0		1,6	
	PCP	.3	.3	.3	.3	.5	.5	.2	.2	.0	.1	2.6	
5410	NO PCP	5.1	1.7	1.1	.9	1.4	1.8	2.3	3.5	.0	.5		
	TOT \$	5.3	2.0	1.4	1.5	1.9	2.3	2.5	3.7	.0	.6	20.8	
	PCP	.3	.2	.2	.3	.4	.3	.1	.1	.0		1.8	
10+	NO PCP	18.6	7.7	3.4	4.1	7.2	7.2	9.1	13.3	.0	3.3	74.0	
	TOT &	18.9	7.8	3.6	4.4	7.7	7.5	9.2	13.5	.0	3.3	75.9	
	TOT 065												6468
	TOT PCT	25.2	10.1	5.4	5.7	9.9	10.1	12.0	17.5	.0	4.0	100.0	

TABLE 9
PERCENT FREG OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

YSBY (MM)	SPD KTS	N	NE	E	\$E	s	SH	W	NW	VAR	CALM	PCT	TOTAL	
	0-3	.0	.0	.0	.0	.0	.0		.0	.0	.0	*		
<1/2	4-10				.0	.0		.0	.0	.0				
	11-21		.0		.0	.0			.0	.0				
	22+	.0			.0	.0	.0	.0	.0	.0				
	TOT %				.0	.0			.0	.0	.0	.1		
	0-3		.0	.0	.0					.0	.0	.1		
1/2<1		.2			.0	.1		.1	.1	.0		.4		
	11-21	.1			.0	.0		.0		.0		.1		
	22+	.0	.0			.0	.0	.0	.0	.0				
	TOT \$.3	•	.1		.1	.1	.1	.1	.0	.0	.7		
	0-3		.0							.0		.1		
142	4-10	.1	.1				.1	.1	.1	.0		.5		
	11-21	.1								.0		.3		
	22+				.0	.0		.0	.0	.0		.9		
	TOT \$.5	.1	.1	.1		.1	.1	.1	.0		.9		
	0-3		.0		.0					.0	.1	.2		
245	4-10	.3	.2	.2	.1	.1	.1	.2	.1	.0		1.2		
	11-21	.1	.1	.1		.1			.1	.0		.6		
	22+		.3	.3				.0	.0	.0		.2		
	TOT %	.5	.3	.3	.1	.2	.1	.2	.2	.0	.1	2.2		
	0-3	.4	.2	.1	.1	.3	.3	.3	.5	.0	.8	2.9		
5<10	4-10	2.7	1.3	.6	.6	1.0	1.2	1.6	2.1	.0		11.1		
	11-21	2.0	. 8	.6	.3	.5	.6	.4	.9	.0		6.1		
	22+	.1	.1	.1	.1	.1	.1	.0		.0		.6		
	TOT \$	5.2	2.3	1.4	1.2	1.9	2.2	2.3	3.5	.0	.8	20.7		
	0-3	1.8	,9	.4	.4	1.0	.9	1.1	1.2	.0	3.8	11.5		
10+	4-10	10.1	4.8	2.4	2.6	4.4	4,9	6.6	8.8	.0		44.5		
	11-21	6.1	2.8	1.0	1.2	1.7	1.4	1.4	2.9	.0		18.6		
	22+	.2	.2	1	.1	.2			.1	.0	-	.8		
	TOT *	18.2	8.6	3,8	4.3	7.2	7.3	9.2	12.9	.0	3,8	75.4		
	TOT 085							v.01.2.2	100				8470	
	TOT PCT	24.4	11.4	5.7	5.7	9.4	9.9	11.9	16.9	.0	4.7	100.0		

S	E	P	T	F	M	8	£	R

								SEPTE	MBER						
PERIOD: (PRIMA								TABLE	10			AF	EA 0008	DAKAR	17.9W
				PER	CENT F	REQUEN	CURREN	CEILINGE OF	NH CS	HTS (F	EET, NH	>4/8) /	IND		
	HOUR (GMT)	000	150 299	300 599	999	1000	2000 3499	3500 4999	5000	6500	8000÷	TOTAL	NH <5/8 ANY HGT	TOTAL	
	00603	.2	.0	1.1	3,9	7.5	5.7	2.0	.7	.5	2.2	23.6	76.2	1325	
	06609	.7	.1	1.1	5.0	11.9	6.7	2.9	1.5	.4	2.1	32.6	67.4	1360	
	12615	.1	.1	1.1	4.4	9.1	7.6	3.2	1.0	.5	2.4	29.5	70.5	1552	
	18621	.0	.1	.8	3.4	7.2	6.7	2.5	1.1	.6	2.0	24.4	75.6	1425	
	TOT	15	.1	1.0	238	504 8.9	380	152	1.1	29	124	1565	4097 72.4	5662 100.0	

		1

TABLE 11											TABLE	12		
		PERCENT	FREQUE	CY VSBY	(NM)	BY HOUR		CUMULAT					VSBY (NM)	AND/OR
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL
00603	.1	.4	.8	2.4	19.9	76.3	2031	00603	.2	1.5	7.2	18.3	74.6	1281
06609	•2	1.1	1.2	2.4	23.4	71.7	2409	90300	.8	2.3	8.3	25.6	66-1	1312
12615	.0	.6	.5	2.0	18.8	78.1	2096	12615	•1	1.6	7.3	23.4	69.3	1522
18621	.2	.7	1.1	1.7	21.6	74.8	2445	18621	.0	1.1	5.7	20.3	74.1	1372
PCT	11	65	81	190	1891	6743 75.1	8981 100.0	TOT PCT	15	88	390 7.1	1204	3893 70.9	5487 100.0

					T.	ABLE 1	3				
		PERC	ENT FR	EQUENC	Y OF R	ELATIV	E HUMI	DITY B	Y TEMP		
	_									TOTAL	PCT
TEMP	F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	085	FREQ
90/	94	.0	.0	.0	.0	.3	.1	.0	.0	18	.3
85/	89	.0	.0		.1	1.2	4.6	1.2	.2	406	7.3
80/	84	.0	.0		.1	1.7	24.8	37.0		3838	69.1
75/	79	.0	.0	.0	.0	.2	3.1	12.7	6.5	1248	22.5
70/	74	.0	.0	.0	.0			.1	.5	41	.7
65/1	69	.0	.0	.0	.0	.0	.0	.0		i	
TOT	AL	0	0	2	11	190	1813	2832	704	5552	100.0
PC	T	.0	.0		.2	3.4	32.7	51.0	12.7		

TABLE 13													TAB	LE 14			
FR	EQUENC	Y OF 8	ELATIV	E HUMI	DITY B	Y TEMP	TOTAL	PCT		PERC	ENT FR	EQUENCY	OF	WIND DI	RECTIO	N BY	TEMP
39	40-49	50-59	60-69	70-79	80-89	90-100	085	FREQ	N	NE	E	SE	S	SW	W	NW	VAF
.0	.0	.0	3	.1	.0	.0	18	7.3	.2			.0					.0
.0		.1	1.2	4.6	1.2	.2	406	7.3	2.7	.8	.2	.3	.7	.6	.6	1.0	
.0		.1	1.7	24.8	37.0	5.5	3838	69.1	17.6	6.5	3.3	3.8	6.3	6.4	9.1	13.3	:
.0	.0	.0	.2	3.1	12.7	6.5	1248	22.5	5.0	2.9	1.7	1.4	2.6	2.8	2.1	3.2	
.0	.0	.0			.1	.5	41	.7	.2	.1	.1	.1	.1	.0			
.0	.0	.0		.0	.0		1		-0	.0	.0	.0	.0	.0	.0		
0	2	11	190	1813	2832	704	5552	100.0		•							•
.0		.2	3.4		51.0	12.7			25.7	10.3	5.4	5.6	9.7	9.8	11.9	17.5	.0

TA	BL	E	1	5

	HEAMS	ENIKEM	ES ANU	PERCEN	LILES	OF IE	IP (DE	G F) B	T HOUR
HQUR (GHT)	MAX	99%	95%	50%	5%	14	MIN	MEAN	TOTAL
00603	90	84	83	80	77	74	67	80.1	2521
12615	95	90	87	82	78 78	75 76	68	82.4	2528
TOT	95	88	85	81	77	74	67	81.0	11728

TABLE 16

TABLE 14

S SW W NW VAR CALM

* * * * 0 .0

.7 .6 .6 1.0 .0 .5

6.3 6.4 9.1 13.3 .0 2.9

2.6 2.8 2.1 3.2 .0 .8

.1 .0 * 0 .0

.0 .0 .0 .0

.0 4.1

	PERC	ENT FRE	QUENCY	OF RELA	TIVE H	UMIDITY	BY HOU	2
HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
00603	.0	.1	.7	20.9	62.8	15.5	84	1424
06509	.0	.1	1.0	19.3	59.6	19.9	84	1526
12615	.0	.3	7.9	47.0	37.0	7.8	79	1520
18621	.0	.5	3.7	43.1	44.5	8.2	80	1504
TOT	0	15	202	1954	3036	767	82	5974

SEPTEMBER

PERIOD: (PRIMARY) 1923-1973 (OVER-ALL) 1856-1973

TABLE 17

AREA 0008 DAKAR 14.8N 17.9W

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

			W-35								
AIR-SEA	65	69	73	77	81	85	89	>92	TOT		WO
TMP DIF	68	72	76	80	84	88	92			FOG	FDG
14/16	.0	.0	.0	.0	.0	.0	.0		1	.0	
11/13	.0	.0	.0			.1			12	.0	.2
9/10	.0	.0	.0		.2	.1	.1		25		.4
7/8	.0	.0	.0	.1	.2	.2	.3	.0	44		.7
6	.0	.0		.1	.1	.3	.3	.0	43	.0	.7
5	.0	.0		:1	.4	.7	.2	.0	88	.1	.4 .7 .7 1.4
4	.0	.0	:	.1	:7	1.1		.0	122		2.0
3 2	.0	.0	.0	:1	1.7	1.7		.0	221	.1	3.5
2	.0	.0		.5	4.2	1.4	.0	.0	380	.1	6.1
1 0 -1 -2		.0		1.2	8.7	1.2	.0	.0	689	.1	11.1
0	.0		.1	3.9	13.6	.4	.0	.0	1103	.4	17.5
-1	.0		.1	8.0	13.6	.2	.0	.0	1347	.3	21.6
-2	.0		.1	8.4	6.3	.1	.0	.0	913	.2	14.6
-3	.0	.0	.4	6.0	2.2		.0	.0	529		8.6
-4	.0		.6	2.8	. 8	.0	.0	.0	262	.0	4.3
45	.0	.0	.7	2.0	.4	.0	.0	.0	194	.0	3.2
-6	.0		.4	.7	.1	.0	.0	.0	77	.0	1.3
-7/-8	.0		.6	.4		.0	.0	.0	63	.0	1.0
-9/-10	.0		.2			.0	.0	.0	21	.0	.3
-11/-13					.0	.0	.0	.0	5	.0	.1
-14/-16	*	.0	.0	.0	.0	.0	.0	.0	1	.0	
TOTAL	3		210		3274		56			89	6051
		11		2123		459		4	6140		-
PCT		.2	3.4	34.6	53.3	7.5	.9	.1	100.0	1.4	98.6

PERIOD: (OVER-ALL! 1963-1973

TABLE 18

PCT FRED OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT) 4-10 2.1 7.9 3.1 .6 .3 .0 .0 .0 .0 .0 .0 .0 .0 .0 1-3 48+ .00.00.00.00.00.00.00.00.00.00 11-21 .1 .8 .2 .2 .0 .0 .0 .0 .0 .0 .0 HGT <1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 26-32 23-25 26-32 33-40 41-48 49-60 61-70 71-86 87+ 70 F PCT 1-3 1-3 -47 48+ 48+

PAGE 606

		_			SEPTEMBER						AREA GOOD DAKAR						
PERIOD:	(OAE	R-ALL)	1963-	1973				****		CONT				AREA			
								TABLE	18	CUNTI					14,	.8N 17	.9w
				PC	T FREQ	OF WIND	SPEED	(KTS)	AND	DIREC	TION	VERSUS	SEA HEIG	HTS (FT)	•		
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT			1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	.5	.7	.1	.0	.0	.0	1.3			.5	1.2		.0	.0	.0	1.7	
1-2	. 2	3.6	.7	.0	.0	.0	4.5			.5	3.0			.0	.0	4.0	
3-4	.1	1.3	1.0	.1	.0	.0	2.5				1.4	1.1		.0	.0	2.5	
5-6		.2	.7	.1	.0	.0	.9			.0	.3	6	.1	.0	.0	.9	
7	.0		.2		.0	.0	.3			.0	.1	.1		.0	.0	.2	
8-9	.0	.0	.1	.1	.0	.0	.2			.0	.0		.0	.0	.0		
10-11	.0	.0	.0		.0	.0				.0	.0	.1	.0	.0	.0	.1	
12	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
TOT PCT	.9	5.8	2.8	.3	.0	.0	9.7			1.0	5.9	2.5	.1	•0	.0	9.5	
													NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT			1-3	4-10			34-47	48+	PCT	PCT
<1	.5	1.3		.0	.0	.0	1.8			.6	2.5			.0	.0	3.3	
1-2	.6	4.7	.7	.0	.0	.0	6.0			.5	7.3			.0	.0	9.2	
3-4	.0	1.7	1,2	.0	.0	.0	3.0			*	2,8			.0	.0	4.6	
5-6	.0	.2	.3	.0	.0	.0	.5			•0	.3			.0	.0	1.4	
7	.0	.1		.0	.0	.0	.1			.0				.0	.0	.4	
8-9	.0			.0	.0	.0	.1			.0				.0	.0	.1	
10-11	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0		
12	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	:	
13-16	.0	.0	.0	.0	.0	.0	.0			.0				.0	.0		
20-22	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
33-40	.0	.0	.0	.0		.0	.0			.0	.0			.0			
41-48	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
TOT PCT	1.0	8.1	2.3	.0	.0	.0	11.4			1.1	13.0			.0	.0	18.9	95.0
		•••			.0					•••	,,,,,				.0	10.7	,,,,

	MIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	10.9	9.7	.5	.0	.0	.0	21.1	
1-2	4.2	31.1	6.8	.0	.0	.0	42.1	
3-4	.4	12.9	10.5	.5	.0	.0	24.3	
5-6		2.0	6.3	.5	.1	.0	8.8	
7		.5	1.8	.2		.0	2.6	
8-9	.0	.1	.5	.2	.0	.0	.7	
10-11	•0		.1	.1		.0	.2	
12	•0	.0	.1	.0	.0	.0	.1	
13-16	.0		*	.0	.0	.0	.1	
17-19	•0	.0	.0	.0	.0	.0	.0	
20-22	•0	.0	.0	.0	.0	.0	.0	
23-25	•0	.0	.0	.0	.0	.0	.0	
26-32	•0	.0	.0	.0	.0	.0	.0	
33-40	•0	.0	.0	.0	.0	.0	.0	
41-48	•0	.0	.0	.0	.0	.0	.0	
49-60	•0	.0	.0	.0	.0	.0	.0	
61-70	•0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	•0	.0	.0	.0	.0	.0	.0	
								3485
TOT PCT	15.6	56.2	26.6	1.5	.1	.0	100.0	

PERIOD: (OVER-ALL) 1949-1973

TABLE 19

PERIOD: (PRIMARY) 1922-1973 (OVER-ALL) 1854-1973

TABLE 1

AREA 0008 DAKAR 14.8N 18.0W

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

									o connence						
			,	RECIPI	DITAT	N TYPE					OTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR		SPRAY BLWG DUST BLWG SNOW	
N NE	:3	1:0	:3	:0	.0	•0	.0	1.8	:5	1.8	1.6	.0	2.5	:6	92.6
E	4.5	3.5	.4	.0	.0	.0	.0	8.3	3.4	4.2	.3	.0	.9	.3	83.4
SE	8.2	3.2	1.1	.0	.0	•0	.0	12.4	3.6	8.1	.0	.0	1.1	.0	76.8
5	2.5	4.8	.2	.0	.0	•0	.0	7.6	3.5	7.6	.5	.3	1.4	.3	79.4
SW	2.8	3.4	.4	.0	.0	.0	.0	6.5	1.0	7.5	1.1	.0	2.0	1.1	80.9
	.5	.0	.0	.0	.0	.0	.0	.5	.7	4.8	1.2	.0	2.7	.0	90.5
NW	. 8	.0	.2	.0	.0	.0	.0	1.0	.5	4.1	3.3	.0	3.0	.3	87.8
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.4	.0	.0	.0	.0	.4	.4	6.6	.8	.0	3.7	.0	88.1
TOT PCT TOT OBS:	7177	.9	.3	.0	.0	.0	.0	2.2	.9	3,3	1.4		2.2	.4	89.7

TABLE 2

PERCENT	FREQUENCY	OF	WEATHER	OCCURRENCE	BY	HOUR

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	NO SIG WEA
00603 06609 12615 18621	1.7 .7 .8	.8 1.4 .9	.1 .5 .3	.0	.0	•0	.0	1.7 3.6 1.9 1.5	.9 .9 1.5	8.3 5.5 .3 1.1	1.2 2.0 .9 2.3	.0 .0 .0	1.9 1.5 3.1 2.6	.5 .4 .4 .3	85.7 86.4 91.9 91.9
TOT PCT	7620	.9	.3	.0	.0	•0	.0	2.2	.9	3.7	1.6		2.3	.4	89.0

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

			WI	ND SPE	ED (KN	OTS)								HOUR	(GMT)				
MN	D DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	FREQ	SPD	00	03	06	09	12	15	18	21	
	N NE	2.8	21.4	14.8	:7	.0	.0		39.8	9.9	38.5	39.8	38.8				42.8		
	E	.6	3.0	1.4	.3		.0		5.3	9.3	4.5	4.5	5.1	6.4	7.3	4.7	3.9	4.5	
	SE	.5	2.0	.9	.1		.0		3.5	8.7	2.9	2.2	4.2		4.1	2.6			
	S	. 8	2.3	.8	.2		.0		4.1	8.0	4.3	5.4	4.2	2.7	4.1	5.1	4.2		
	SW	.9	2.7	.5	*	.0	.0		4.1	6.8	5.3	6.0	4.8	3.6	2.6	2.6	3.7	5.1	
	W	1.2	3.8	.4	.0	.0	.0		5.4	5.9	5.8	4.6	6.1	4.5	4.6	6.4	5.6	5.4	
	MM	1.7	8.0	1.6			.0		11.4	7.1	13.4	14.2	10.9	9.6	9.6	8.4	12.0		
	VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
C	ALM	3.6							3.6	.0	4.6	7.4	4.5	1.8	2.6	4.0	3.1	3.6	
TO	TOBS	1691	6931	3766	262	5	0	12655		8.9	2481	162	2500	1144	2579	175	2464		
TOT	TPCT	13.4	54.8	29.8	2.1		.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

T	A	B	L	F	3	A

WND DIR	0-6	7-16	SPEED 17-27		41+	TOTAL	PCT	MEAN SPD	00	HDU 06 09	12 15	18 21
N	11.3	24.2	4.3		.0		39.8	9.9	38.5	38.5	39.9	41.9
NE	5.6	14.0	3.1	.2	.0		22.9	10.6	20.4	23.8	25.3	22.1
E	2.0	2.6	.6	.1	.0		5.3	9.3	4.5	5.5	7.2	4.1
SE	1.5	1.7	.3		.0		3.5	8.7	2.8	4.4	4.0	2.7
S	2.2	1.5	.4	.1	.0		4.1	8.0	4.4		4.2	
SW	2.4	1.5	.2		.0		4.1	6.8	5.4	4.4	2.6	4.2
W	3.6	1.8		.0	.0		5.4	5.9	5.7	5.6	4.7	5.5
NW	5.9	5.3	.2	.0	.0		11.4	7.1	13.5	10.5	9.5	12.1
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	3.6		•	••			3.6	.0	4.8	3.6	2.7	3.3
TOT OBS	4809	6643	1158	45	0	12655		8.9	2643	3644	2754	3614
TOT DET	24 0		0.0					346	100.0			100 0

							OCTOBER							
PERIOD: (PRIMARY (OVER-AL	1 1922-197 L) 1854-197						TABLE 4				ARE	1 0008	DAKAR	18.0
			PER	CENTAGE	FREOU	ENCY OF	WIND SP	EED BY	HOUR	(GMT)				
	HOUR	CALM	1-3	4-10			(KNOTS) 34-47	48+	MEAN	PCT	TOTAL			
	00603 06609 12615	4.8 3.6 2.7	9.5 10.1 8.9	57.1 55.0 52.3	26.7 29.1 33.7	1.9	.1	.0	8.8	100.0	2643 3644 2754			
	18621 TOT PCT	3.3 453 3.6	10.3 1238 9.8	54.6 6931 54.8	29.7 3766 29.8	2.0	.1	.0		100.0	3614 12655			

0 3

			T	ABLE 5		1-						T	ABLE 6					
	PCT FRE			D DIREC	TION	(EIGHTHS)			PERCEN		REQUEN		CEILIN			IRECTI		
WND DIR	0-2	3-4	5-7	8 6	TOTAL	COVER	000 149	150	300 599	600 999	1000	2000	3500 4999	5000	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL
N	23.2	7.5	8.5	3.7		2.8				.4	1.7	1.3	.6	. 3	. 3	1,3	36.8	
NE	8.1	3.2	5.4	2.5		3.6				. 3	1.4	. 9	.6	. 3	+1	.5	14.9	
E	1.1	.7	1.9	1.1		4.9	.1	.0	.1	.3	.7	.3	.2	-1	+0	.2	3.0	
SE	.4	.4	1.5	. 8		5.6	.0		.0	.2		.3	.1	.1	.0	-1	1.9	
S	1.2	.5	1.5	.9		4.6		.0	.0	.3	.5	.4	. 2	-1		-1	2.6	
SW	1.5	.7	.8	.7		3.8		.0		.2	.3	.2	.1	. 1	+0	-1	2.7	
	2.7	1.5	1.1	.4		3.0	.0	.0		.1	.3	.2					5.1	
NW	6.8	2.2	2.2	1.2		2.8				.2	.5	. 4	.1	-1	+1	. 3	10.6	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	-0	.0	.0	.0	
CALM	1.9	.6	.8			3.0	.0	.0	.0		.1	.2	.1			.1	3.1	
TOT DBS	2627	972	1329	656	5584		16	6	12	104	337	231	110	62	36	157	4511	5584
TOT PCT	47.0	17.4	23.8	11.7	100.0		.3	.1	.2	1.9	6.0	4.1	2.0	1.1	.7	2.8	80.8	100.0

DR >3500	5.5	6.4	6.5	6.5	6.5	6.5	6.5	6.5
DR >2000	9.2	10.5	10.7	10.7	10.7	10.7	10.7	10.7
DR >1000	14.1	16.4	16.7	16.7	16.8	16.8	16.8	16.8
DR >600	15.4	18.0	18.4	18.5	18.5	18.5	18.5	18.5
DR >300	15.5	18.2	18.6	18.7	18.7	18.7	18.7	18.7
DR >150	15.6	18.3	18.7	18.8	18.8	18.8	18.9	18.9
DR > 0	15.6	18.4	19.0	19.1	19.1	19.1	19.1	19.1
TOTAL	919	1085	1118	1122	1123	1123	1124	1125
TOTAL NUM	BER OF DE	588	13	,	CI PREM	NH <5/8:	80.9	

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 08SCD 08S

37.5 14.1 13.5 8.6 6.1 3.7 4.6 4.2 7.4 .2 6150

	a		

PERIOD:	(PRIMARY)	1922-1973
	(DVEP-ALL)	1854-1973

T	Δ	A	LF	8

AREA 0008 DAKAR 14.8N 18.0W

		P	ERCENT	PREC	OF WIN	DIRE	CTION TH VAR	VS DCC	ALUES	F VIS	IBILI	CURRENC	E OF
VSBY (NM)		N	NE	F	SF	5	SW		NW	VAR	CALM	PCT	TOTA
	PCP	.0			.0	.0	.0	.0	.0	.0	.0		
<1/2	NO PCP	.0	.0		.0	.0	.0	.0	.0	.0	.0		
	TOT \$.0			.0	.0	.0	.0	.0	.0	.0		
	PCP	.0		.0			.0	.0	.0	.0	.0		
1/2<1		.4	.1		.0	.0	:	.1	.3	.0	.0	.9	
	TOT %	.4	.1	•	•			.1	.3	.0	.0	.9	
	PCP		.0		.0			:0	.0	.0	.0	.1	
1<2	NO PCP	.1	.1					.1	.1	.0		.5	
	TOT &	.1	.1					.1	•1	.0		.6	
	PCP			.1				.0		.0	.0	.3	
2<5	NO PCP	.3	.2	.1			.0		.1	.0	.1	.8	
	TOT %	.3	.2	.2	.1				-1	.0	.1	1.1	
	PCP	.1	.1	.2	.2	:1	.1		.1	.0		.9	
5<10	NO PCP	8.2	3.1	. 8	.5	.7	.8	1.1	2.7	.0	.5		
	TOT %	8.3	3.2	1.0	.7	.8	1.0	1.1	2.7	.0	.5	19.3	
	PCP	.2	.2	.1	.2	.2	.1			.0	.0	. 9	
10+	ND PCP	33.6	15.4	3.6	2.3	3.2	2.7	4.5	9.1	.0	2.8	77.2	
	TOT %	33.8	15.6	3.6	2.5	3.4	2.8	4.5	9.2	.0	2.8	78.1	
	TOT 085						201 - 1						7166
	TOT PCT	42.9	19.2	4.9	3.3	4.2	3.8	5.8	12.5	.0	3.4	100.0	

TARIE .

				,	WITH V.	ARYING	VALUE	S OF	1151811	ITY			
VSBY (NM)	SPD	N	NE	E	SE	s	SW		NW	VAR	CALM	PCT	TOTAL
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0			.0	.0	.0	.0	.0	.0			
	22+	.0	.0		.0		.0	.0	.0	.0			
	TOT %	.0			.0		.0	.0	.0	.0	.0		
	0-3			.0	.0				.1	.0	.0	.1	
1/2<1	4-10	.1		*	.0	.0	*		.2	.0		.4	
	11-21	.1		.0			.0			.0		.2	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT \$.3	.1					.1	.2	.0	.0	.7	
	0-3			.0	.0	.0			.1	.0	.1	.2	
1<2	4-10	.1	.1		*		*		.1	.0		.3	
	11-21					*		.0	.0	.0		.1	
	22+	.0	.0		.0	.0	.0	.0	.0	.0			
	TOT \$.1	.1						.1	.0	.1	.6	
	0-3	.1		.0					.1	.0	.1	.4	
2<5	4-10	.2	.2		*	.1	*	.1	.1	.0		.7	
	11-21	.1	.2	.1	*	.0				.0		.4	
	22+	.0					.0	.0	.0	.0		.1	
	TOT %	.4	.4	.2	.1	•1	.1	.1	.2	.0	.1	1.6	
	0-3	.7	.3	.1	.1	.1	.2	.2	.6	.0	.6	2.7	
5<10	4-10	4.3	1.8	.5	.4	.4	.5	.7	1.6	.0		10.1	
	11-21	2.7	1.4	.4	.2	.2	.1	.1	.3	.0		5.4	
	22+	.1	.1			.1		.0		.0		.3	
	TOT %	7.7	3,5	.9	.7	.8	.9	1.0	2.5	.0	.6	18.5	
	0-3	2.2	.9	.6	.3	.6	.6	.9	1.3	.0	3.0	10.3	
10+	4-10	17.7	8.7	2.3	1.4	1.8	1.9	3.1	6.5	.0		43.6	
	11-21	12.8	7.0	.7	.6	.7	.3	.3	1.2	.0		23.5	
	22+	5	.3		.1	.1		.0		.0		1.1	
	TOT %	33.2	17.0	3.6	2.4	3.2	2.8	4.3	9.0	.0	3.0	78.5	
	TOT 085												9357
1	TOT PCT	41.8	21.1	4.8	3.2	4.1	3.8	5.5	12.1	.0	3.7	100.0	

OCTOBER

PERIOD: (PRIMARY) 1922-1973 (OVER-ALL) 1854-1973

TABLE 10

AREA 0008 DAKAR 14.8N 18.0W

PERCENT FREQUENCY OF CEILING HFIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

					-	Comme.			0 0	0011			
HOUR (GHT)	000	150 299	300 599	999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL
00603	.3	•1	.1	2.0	5.6	3.2	1.3	1.1	.4	2.2	16.2	83.8	1451
90360	.6	.1	.3	2.0	7.0	5.1	1.9	1.5	.6	2.8	22.0	78.0	1448
12615	.1	.1	.3	1.5	6.2	3.4	2.0	.8	.7	2.8	18.1	81.9	1634
18621	•1	-1	.1	1.5	4.6	4.7	2.2	1.1	. 8	3.2	18.4	81.6	1507
TOT	16	.1	13	105	355	247	113	67	39	166	1127	4913 81.3	6040

TABLE 11

TABLE 12

		PERCENT	FREQUEN	ICY VSBY	(NM)	BY HOUR		CUMULAT					VSBY (NM)	
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL	HUUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL
00603	•1	.7	.5	1.7	18.3	78.8	2220	00603	.3	.4	3.3	14.0	82.8	1415
90300	.0	1.1	6	1.3	21.4	75.5	2637	90300	.6	1.1	3.9	19.3	76.8	1397
12615		.5	.6	1.5	15.2	82.2	2297	12615	.1	.6	3.0	16.1	80.9	1594
18621		1.0	.8	1.8	19.7	76.8	2646	18621	.1	.4	3.0	16.3	80.7	1477
TOT	4	83	61	153	1839	7660 78.2	9600 100.0	TOT PCT	16	37	193	964	4726 80.3	5883

TABLE 13

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N NE E SE S SW W NW VAR CALM

.3 .1 * * * * .0 .1 * .0 * .4
4.4 1.6 .4 .1 .3 .3 .6 1.3 .0 .4
27.1 12.8 3.2 2.1 3.0 2.9 4.6 9.9 .0 2.6
10.9 4.8 1.2 .9 .8 .6 .4 1.2 .0 .4
3 .2 * * * * .0 * .0 * .0
43.0 19.5 4.8 3.2 4.1 3.8 5.7 12.5 .0 3.4

TABLE 15

 TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HQUR 0-29 30-59 60-69 70-79 80-89 90-100 MEAN TOTAL

OBS

00603 .0 .6 3.8 30.8 54.0 10.8 82 1596

06609 .0 .7 4.9 30.1 50.8 13.5 82 1626

12615 .0 2.4 17.4 49.7 25.5 5.0 76 1649

18621 .0 1.6 10.9 49.2 32.6 5.8 78 180.0

TOT 0 88 603 2602 2639 569 79 6501

PERIOD: (PRIMARY) 1922-1973 (OVER-ALL) 1854-1973

TABLE 17

AREA 0008 DAKAR 14.8N 18.0W

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA	69	73	77	81	85	89	>92	TOT		WO
THP DIF	72	76	80	84	48	92			FOG	FOG
14/16	.0	.0	.0			.0	.0	2	.0	
11/13	.0	.0	.0	.1				13	.0	.2
9/10	.0	.0		.1	.1	.1		24		.3
7/8	.0	.0	.1	.2	.1	.2	.0	50	.0	.3 .7 .7 1.5
6	.0	.0	.1	.2	.2	.2	.0	45		.7
5	.0	.0	.1	.3	.9	.2	.0	103		1.5
4	.0	.1	.3	.9	1.2	.1	.0	165		2.4
3	.0		.2	1.6	1.5		.0	229	.1	3.4
2	.0		.5	4.9	1.9		.0	500	.2	7.3
1	.0	.1	1.5	9.4	1.5	.0	.0	842	.1	12.4
0		.2	3.7	13.3	.9	.0	.0	1209	.3	17.7
-1	.0	.3	6.6	13.7	.4	.0	.0	1400	.3	20.6
-2		.4	6.9	7.1		.0	.0	974	.4	14.2
-3		.7	4.9	2.9	.1	.0	.0	578	.1	8.5
-4		.5	2.7	.8		.0	.0	272		4.0
-5 -7/-8		.4	1.5	.4	.0	.0	.0	152	.0	2.3
-6		.3	.6	.1	.0	.0	.0	69	.0	1.0
-7/-8		.4	.3	.2	.0	.0	.0	59		.9
-9/-10		.1	.1	.0	.0	.0	.0	14	.0	.2
-11/-13				.0	.0	.0	.0	3	.0	
TOTAL	14		2017		603		3		105	6598
-		232		3773		61		6703		
PCT	.2	3.5	30.1	56.3	9.0	.9		100.0	1.6	98.4

PERIOD: (DVER-ALL) 1963-1973

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT) NE 22-33 ... 0 ... 1 ... 1 ... 1 ... 1 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... 0 ... HGT
<1
1-2
3-4
5-6
7
8-9
10-11
12
13-16
17-19
20-22
23-25
26-32
33-40
41-48
49-60
61-70
71-86
TPCT PCT 48+ -47 HGT <1 11-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60 61-70 71-88 74-70 PCT 4-47 48+ 1-3

PER100:	(OVE	R-ALL)	1963-1	973				TARLE	18 (00					AREA	0008		. OW
				PC	T FREO	nF = 1 NO	SPEED				IN V	/cesus s	EA HE10	HTS (FT			
							31.550		-110 0.			Enses .					
HGT	1-3	4-10	11-21	5 22-33	34-47	48+	PCT		1-	3 4-	-10	11-21	22-33	34-47	48+	PCT	
<1	.4	.4	•	.0	.0	.0	.9			4	.5	.0	.0	.0	.0	.9	
1-2	.1	1.2	.4	.0	.0	.0	1.7			2 1	.6	.1	.0	.0	.0	1.9	
3-4		.6	.3		.0	.0	1.0				.4	.2		.0	.0	.7	
5-6	.0	.2	.2	.1	.0	.0	.5			0	.1	.1		.0	.0	.3	
7	.0			.1	.0	.0	.1			0	.1			.0	.0	.1	
8-9	.0	.0	.1		.0	.0	.1			0	.0			.0	.0	.1	
10-11	.0	.0	.0	.0	.0	.0	.0			0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0			.0	.1			0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0			0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0			0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0			0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0			0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0			0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0			0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0			0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0			0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0		100	0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0			0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0			0	.0	.0	.0	.0	.0	.0	
TOT PCT	.5	2.5	1.0	.3		.0	4.4			6 2	2.7	.5	.1	.0	.0	4.0	
													NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-	3 4-	-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.4	1.2		.0	.0	.0	1.6		2 100	7 1	.7	.1	.0	.0	.0	2.5	
1-2	.6	2.5	.1	.0	.0	.0	3,3				5.3	.5	.0	.0	.0	6.3	
3-4	.0	.5	.3	.0	.0	.0	.8			1 1	.5	.6	.0	.0	.0	2.2	
5-6	.0		.1	.0	.0	.0	.1			0	.1	.3	.0	.0	.0	.4	
7	.0	.0	.0	.0	.0	.0	.0			0	.0	.1		.0	.0	.1	
8-9	.0	.0	.0	.0	.0	.0	.0			0	.0	.0		.0	.0		
10-11	.0	.0	.0	.0	.0	.0	.0			0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0			0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0			0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0			0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0			0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0			0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0			0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0			0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0			0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0			0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0			0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0				.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0			0	.0	.0	.0	.0	.0	.0	
TOT PCT	1.0	4.3	.5	.0	.0	.0	5.8		1.	5 8	3.6	1.6		.0	.0	11.7	95.7

	WIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	10.2	10.1	.4	.0	.0	.0	20.8	003
1-2	3.7	30.2	8.1	•0	.0	.0	42.0	
3-4	.4	11.0	12.6	.4	.0	.0	24.3	
5-6		1.4	7.1	.5	.0	.0	9.0	
7	.0	.4	1.9		.0	.0	2.9	
8-9	.0		. 4	.3	.0	.0	. 8	
10-11	.0	.0	.1	.1	.0	.0	.1	
12	.0	.0				.0	.1	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0		.0	.0		
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	•0	.0	.0	.0	.0	.0	.0	
33-40	•0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	•0	.0	.0	.0	.0	.0	.0	
61-70	•0	.0	.0	.0	.0	.0	.0	
71-86	•0	.0	.0	.0	.0	.0	.0	
87+	•0	.0	.0	.0	.0	.0	.0	
								3679
TOT PCT	14.4	53.1	30.6	1.9		.0	100.0	

PER	100: (0	VER-ALI	1 194	9-197	3				TABLE	19											
					PERCENT	FREG	WENCY	OF WA	VE HEL	SHT (FT	7) VS	HAVE P	ERIOD	SECON	DS)						
PERIO		1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	HEAN
(SEC)	2.9	14.8	13.9	5.3	2.0	.3	.3	.1	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	1831	3
6-7		2.1	7.0	7.4	3.3	1.1	.7	•2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1015	5
8-9	.0	1.0	3,1	3,3		. 8	.4	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	504	5
10-1		.7	.8	.9		.3	.1				.0	.0	.0	.0	.0	.0	.0	.0	.0	182	5
12-1	3 .0	.0	1.3	.6	.2	.2			.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	107	
>13	.6	.0	.0	.4	.3		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	32	6
INDE	T 6.2	6.0	5.1	2.4	.5	.2	.1	.0			.0	.0	.0	.0	.0	.0	.0	.0	.0	957	2
TOTA	L 426	1136	1444	933	434	139	80	19	12	5	0	0	0	0	0	0	0	0	0	4628	
PCT	9.2	24.5	31.2	20.2	9.4	3.0	1.7	.4	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1921-1973 (OVER-ALL) 1854-1973

TABLE 1

AREA 0008 DAKAR 14.8N 18.0W

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

											0.00				
			,	RECIPI	TATIO	H TYPE					OTHER	WEATHER	PHENO	MENA	
NND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SMOM	DTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	POG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	
N NE	.1	.1		.0	.0	.0		.3	.1	.5	.7	.0	2.4	.4	95.5
NE	.1	-1	.1	.0	.0	.0	.0	.3	.2	.2	1.7	.0	3.1	.9	93.7
E	.6	1.2	.0	.0	.0	.0	.0	1.7	.0	.6	2.1	.0	5.1	3.2	87.5
SE	1.0	3.9	2.9	.0	.0	.0	.0	7.8	.0	2.9	3.9	.0	.5	.0	85.9
S	2.2	.0	3.3	.0	.0	.0	.0	5.5	.0	4.4	.0	.0	3.3	.0	86.7
SW	.0	2.6	.0	.0	.0	.0	.0	2.6	.0	7.7	.0	.0	.6	.0	89.1
	.0	1.1	.0	.0	.0	•0	.0	1.1	.0	.0	.0	.0	.0		98.9
NW	.0	.0	.0	.0	.0	.0	.0	.0	.3	3.0	1.2	.0	2.1		93.3
VAR	.0	.0	.0	.0						.0			.0		
CALM	:0	.0	.0	:0	:0	:0	:0	:0	2:3	.0	1.5	:0	5.4	:8	89.2
TOT PCT TOT OBS:	6456	.2	.1	.0	.0	.0	•	,5	.2	.7	1.1	.0	2.7	.7	94.3

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	
00603 06609 12615 18621	.3 .1 .0	·2 ·3 ·1 ·3	.1 .1 .1	.0	.0	.0	.0 .0 .0	.6 .5 .1	.2 .3 .2	1.7	.8 1.6 .6 1.4	.0	2.5 2.2 3.3 2.8		93.7 94.0 94.9 94.1
TOT PCT	.2	.2	.1	.0	.0	•0		.5	•2	.7	1.1	.0	2.7	.6	94.2

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

				ED (KN									HOUR				
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	DBS	FREQ	SPD	00	03	06	09	12	15	18	21
N NE	2.4	23.1	19.0	1:3	:0	:0		45.1	10.4	48.4	55.2	47.7	37.5	40.6	58.5	47.7	42.0
E	.4	3.2	1.9	.3	.0	.0		5.8	10.2	4.5	1.4	5.1	6.6	7.9	2.7	5.5	6.5
SE	.2	.7	.1		.0	.0		1.1	7.0	.9	1.6	.7	1.3		.0	1.0	1.8
S	.3	.5	.1	.0	.0	.0		.9	5.1	1.3	.5	.6	.8	.7	.5	1.0	.9
SW	.4	.6	.1		.0	.0		1.1	5.3	1.4	1.4	1.0	1.2	.8	.8	.9	1.4
	.5	1.1	.1	.0	.0	.0		1.6	5.0	2.4	.0	1.8	1.2		1.3	1.8	1.4
NW	.9	3.9	.8		.0	.0		5.7	7.1	7.9	9.0	6.0	3.2		5.7	5.8	5.8
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	2.3							2.3	.0	2.9	5.5	2.7	1.4	1.3	3.3	2.1	3.0
TOT OBS	1047	6073	4723	310	0	0	12153		10.1	2356	145	2448	1114	2496	150	2305	1139
TOT PCT	8.6	50.0	38.9	2.6	.0	.0		00.0						100.0			

WND DIR 0-6 7-16 17-27 28-40 41+ TOTAL PCT MEAN 00 06 1. N 10-2 29.7 5.2 .1 .0 45.1 10.4 48.8 44.5 41. NE 6.5 23.2 6.4 .3 .0 36.4 11.4 30.0 36.2 41. E 1.7 3.4 .7 .1 .0 5.8 10.2 4.3 5.6 7.	
NE 6.5 23.2 6.4 .3 .0 36.4 11.4 30.0 38.2 41.	2 18
	6 35.2
E 1.7 3.4 .7 .1 .0 5.8 10.2 4.3 5.6 7. SE .6 .4 * .0 .0 1.1 7.0 1.0 .9 1.	
5 .6 .2 * .0 .0 .9 5.1 1.2 .7 .	
SW .8 .3 * .0 .0 1.1 5.3 1.4 1.0 .	
M 1.3 .3 * .0 .0 1.6 5.0 2.3 1.6 1. NM 2.8 2.7 .1 .0 .0 5.7 7.1 8.0 5.1 4.	
VAR .0 .0 .0 .0 .0 .0 .0 .0 .0	0 .0
TOT OBS 3264 7320 1519 50 0 12153 10.1 2501 3562 264	
TOT PCT 26.9 60.2 12.5 .4 .0 100.0 100.0 100.0 100.0	100.0

NOVEMBER

PERIOC: (PRIMARY) 1921-1973 (OVER-ALL) 1834-1973

TABLE 4

AREA 0006 DAKAR 14.8N 18.0W

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GHT)

HOUR	CALM	1-3	4-10	WIND 11-21	SPEED (*NOTS) 34-47	48+	MEAN	PCT	TOTAL
00603	3.1	7.2	53.3	34.5	2.0	.0	.0	9.5	100.0	2501
90300	2.3	5.0	50.1	39.2	2.6	.0	.0	10.2	100.0	3562
12615	1.4	5.0	45.5	44.9	3.2	.0	.0	10.9	100.0	2646
18621	2.4	7.3	50.9	37.0	2.4	.0	.0	9.9	100.0	3444
TOT	279	768	6073	4723	310	0	0	10.1		12153
PCT	2.3	6.3	50.0	38.9	2.6	.0	.0		100.0	

TABLE 5

TABLE 6

,	CT FRE			DIREC		(ETGHTHS)							CEILIN NH <5/					
WNO DIR	0-2	3-4	5-7	8 & DBSCD	TOTAL	CLOUD COVER	000	150	300 599	600	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8	TOTAL
N	32.4	8.2	10.0	4.8		2.6	.1	.0	.1	.4	1.4	2.1	.9	.4	.4	1.8	47.8	
NE	14.7	4.1	6.2	3.1		3.0	.0		.1	.3	.9	1.0	.5	.4	.4	1.2	23.3	
E	2.0	.5	.8	.5		3.1		.0		.1	.1	.1	.1	.1		.2	3.1	
SE	.3	.1	.2	.1		3.5		.0	.0			.1			.0		.5	
S	.3	.2	.1	.1		3.0	.0	.0		.0	.1		.1		.0	*	.5	
SW	.3	.1	.1	.1		3.5	.0	.0	.0	.1	.1	.0		.0	.0		.4	
	8	2	.4	1		2.9		.0	0	.0	.1	1	.0	.0	.0	.1	1.3	
NW	4.1	1.0	1.2	:7		2.6		.0		.1	.2	.3	:1		.0	.2	6.1	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	1.5	.2	.3	.2		2.1	.0	.0	.0		.1	.1				.1	1.8	
TOT DBS	2914	749	1001	503	5167	2.7		1	11	45	156	192	91	49	44	184	4389	5167
TOT PCT	56.4	14.5	19.4	9.7	100.0		.1		.2	.9	3.0	3.7	1.8	.9	.9	3.6	84.9	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANFOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

				VSBY (NM)			
CEILING	. OR	- OR	- OR	- OR	· OR	. DR	• OR	- DR
(FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
- DR >6500	3.5	4.2	4.3	4.3	4.3	4.3	4.3	4.3
■ DR >5000	4.4	5.1	5.2	5.2	5.2	5.2	5.2	5.2
■ DR >3500	5.9	6.9	7.0	7.0	7.0	7.0	7.0	7.0
■ DR >2000	9.1	10.5	10.7	10.7	10.7	10.7	10.7	10.7
= DR >1000	11.9	13.6	13.8	13.8	13.8	13.8	13.8	13.8
■ DR >600	12.7	14.4	14.7	14.7	14.7	14.7	14.7	14.7
■ DR >300	12.9	14.6	14.9	14.9	14.9	14.9	14.9	14.9
- DR >150	12.9	14.7	14.9	14.9	14.9	14.9	14.9	14.9
. DR > 0	12.9	14.8	15.0	15.0	15.0	15.0	15.0	15.0
TOTAL	691	788	800	800	801	801	802	802

TOTAL NUMBER OF DBS: 5340

PCT FREQ NH <5/8: 85.0

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 DBSCD DBS 53.0 12.3 9.0 5.1 4.7 3.2 3.4 3.3 5.9 .1 5576

M	n	u	-	4		

PER100:	(PRIMARY)	1921-1973

0 0

AREA 0008 OAKAR 14.8N 18.0W

-ALL) 1	854-1973						TA	BLE 8					1
		,	ERCENT								IBILIT		E OF
VSBY		N	NE	F	SE	5	5 W		NW	VAR	CALM	PCT	TOTAL
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	NO PCP			.0	.0	.0	.0	.0		.0	.0		
	TOT \$.0	.0	.0	.0	.0		.0	.0		
	PCP					.0	.0	.0	.0	.0	.0		
1/2<1	NO PCP	.1	.3	.1		.0	.0	.0	.0	.0	.0	.5	
	101 \$.1	.3	.1	•	.0	.0	.0	.0	.0	.0	.6	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	NO PCP	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2	
	TOT %	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2	
	PCP		.0	.0	.0	.0	.0	.0	.0	.0	.0		
245	NO PCP	.7.	.6	. 2		.0	.0			.0	.1	1.6	
	101 %	.7	.6	.2		.0	.0			.0	.1	1.6	
	PCP		.0					.0	.0	.0		.1	
5<10	NO PCP	7.8	5.2	.7	.2	.1	.1	.1	. 9	.0	.3	15.2	
	101 \$	7.8	5.2	.7	.2	.1	.1	.1	.8	.0	.3	15.3	
	PCP	.1	.1	3.0			.0		.0	.0	.0	.3	
10+	NO PCP	45.5	23.1	3.0	.5	.6	.5	1.3	6.0	.0	1.6	82.0	
	TOT &	45.6	23.2	3.0	.6	.6	.5	1.3	6.0	.0	1.6	82.3	

TOT 085 TOT PCT 54.4 29.4 4.0 .8 .7 .6 1.4 6.8 .0 2.0 100.0 6448

TABLE 9

				PERCENT	FREQ						ED			
VSBY (NM)	SPD	N	NE	E	SE	s	Sw		NW	VAR	CALM	PCT	TOTAL	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
<1/2	4-10			.0	.0	.0	.0	.0		.0		*		
	11-23	.0		.0	.0	.0	.0	.0	.0	.0				
	22+	.0			.0	.0	.0	.0	.0	.0				
	TOT \$.0	.0	.0	.0	•	.0	.0			
	0-3			.0	.0	.0	.0	.0	.0	.0	.0	.1		
1/2<1	4-10		.1			.0	.0	.0	.0	.0		.2		
	11-21		.1		.0	.0	.0	.0	.0	.0		.2		
	22+	.0			.0	.0	.0	.0	.0	.0				
	TOT %	.1	.2	.1		.0	.0	.0	.0	.0	.0	.4		
	0-3		.0	.0	.0	.0	.0	.0	.0	.0				
1<2	4-10			.0	.0	.0	.0	.0	.0	.0				
	11-21	.1	.1	.0	.0	.0	.0	.0	.0	.0		.2		
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0		
	TOT \$.1	.1	•0	.0	.0	.0	.0	.0	.0		•2		
	0-3						.0			.0	.1	.2		
245	4-10	.4	.2	.1		.0	.0			.0		.7		
	11-21	.2	.3	.1	.0	.0	.0	.0		.0		.7		
	22+				.0	.0	.0	.0	.0	.0		.1		
	TOT %	.7	.6	•2			•0		.1	.0	.1	1.7		
	0-3	.4	.3	.1			.1		.1	.0	.4	1.5		
5<10	4-10	3.7	2.5	.4	.1	.1	.1	.1	.6	.0		7.5		
	11-21	3.1	2.6	.3					.1	.0		6.3		
	22+	.1	.2		.0	.0	.0	.0	.0	.0		.3		
	TOT \$	7.4	5.6	.9	.1	.1	.2	-1	.8	.0	.4	15.6		
	0-3	2.0	.9	.2	.1	.2	.2	.4	.7	.0	1.7	6.3		
10+	4-10	21.3	12.9	1.9	.5	.4	.4	.8	4.0	.0		42.2		
	11-21	17.8	12.1	1.1	.1	. 1	.1	.1	. 8	.0		32.1		
	22+	.6	.7		.0	.0	.0	.0		.0		1.4		
	TOT \$	41.7	26.6	3.2	.7	.7	.7	1.2	5.6	.0	1.7	82.0		
1	TOT 085												8749	
	TOT PCT	50.0	33.1	4.3	.9	.8	.9	1.4	6.4	.0	2.2	100.0		

NOVEMBER

PERIOD: (PRIMARY) 1921-1973 (OVER-ALL) 1854-1973

TABLE 10

AREA 0008 DAKAR 14.8N 18.0W

PERCENT FREQUENCY OF CEILING HFIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HQUR (GMT)	149	150 299	300 599	999	1000		3500 4999		6500 7999	8000+	TOTAL	NH 45/8 ANY HGT	TOTAL OBS
00603	.2	.0	.2	1.2	3.6	3.8	1.5	. 8	.6	3.0	14.9	85.1	1320
06609	.1	.0	.1	.9	3.7	3.1	1.5	.7	.9	2.6	13.6	86.4	1362
12615	.0	.1	.1	.8	2.5	3.5	1.9	1.1	.6	3.6	14.3	85.7	1492
18621	,1	.0	.4	.4	2.3	4.3	1.9	1.0	1.1	4.4	15.8	84.2	1320
PCT	.1	2	11	45	166	201 3.7	94	49	44	187	805	4689 85.3	5494 100.0

TABLE 11

TABLE 12

		PERCENT	FREQUEN	CY VSB	(NM)	BY HOUR		CUMULAT	CEILIN	G HGT	OF RAN	GES OF NH >4/8	VSBY (NM)), BY HOUR	AND/OR
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS	HOUR (GHT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00603	.0	.2	.2	1.9	15.3	82.4	2013	60300	.2	.4	3.3	13.4	83.3	1279
90340	.1		• 2	1.6	17.4	80.3	2470	90360	.2	.5	2.9	12.6	84.5	1318
12615		•2	•1	1.6	13.1	84.9	2120	12615	•0	.3	2.5	13.5	84.0	1455
18621		.7	.5	1.6	16.7	80.5	2371	18821	•1	.5	2.7	15.0	82.3	1288
PCT	:	38	21	149	1412	7350	8974 100.0	TOT	6	21	152	727	4461 83.5	5340 100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE MUMIDITY BY TEMP
TOTAL PCT

TEMP F 0-29 30-39 40-49 50-59 60-69 70-79 80-89 90-100 OBS FREQ

90/94 .0 .0 * * .1 .0 .0 .0 .0 .6 .1

85/89 .0 .0 * .5 1.0 1.1 .2 * 154 2.8

80/84 .0 * .4 2.3 8.5 16.3 8.9 2.0 2099 38.5

75/79 .0 .0 .2 1.4 6.4 20.0 16.9 4.0 2644 88.7

70/74 .0 .0 * .2 1.0 3.6 3.5 1.2 519 9.5

65/69 .0 .0 .0 .0 .0 .1 .1 * 12 2.2

60/64 .0 .0 .0 .0 .0 .0 .0 .1 1 1 * 12 2.2

60/64 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0

PCT .0 * .7 4.4 16.9 41.1 29.6 7.3

TABLE 1

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR MAX 99% 95% 50% 5% 1% MIN MEAN TOTAL CBS 00403 87 83 82 78 73 70 64 77.8 2567 00403 87 84 82 78 72 69 65 77.4 3592 12215 93 88 85 80 74 72 68 80.1 2639 12215 92 87 84 79 73 71 66 79.1 3458 101 93 86 84 79 73 70 64 78.5 12256

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

1 0-29 30-59 60-69 70-79 80-89 90-100 MEAN TOTAL

1 0 0 1.5 8.1 38.8 41.7 10.0 80 1356
19 .0 3.4 12.0 36.1 37.4 11.1 79 1436
15 .0 10.9 26.7 43.2 16.2 3.6 72 1485
16 .0 4.2 20.1 45.2 25.0 5.4 75 1366
17 0 279 955 2303 1684 422 76 5643

PERIOD: (PRIMARY) 1921-1973 (OVER-ALL) 1854-1973

TABLE 17

AREA 0008 DAKAR 14.8N 18.0W

PCT	FREQ	OF	AIR	TEMPE	RATURE VS A1	(DEG	F) I	AND TH	E OC	URRENG	E OF F	FOG (WITHOUT	PRECIPIT	ATION)
		AIF	-SEA	61	65	69	73	77	81	85	89	TOT W	WO	

AIR-SEA	61	65	69 72	73 76	77	81 84	85 88	89 92	TOT	FOG	FOG	
14/16	.0	.0	.0	.0	.0			.0	2 7	.0		
11/13	.0	.0	.0	.0				.1			.1	
9/10	.0	.0	.0	.0	.1	:3	.1	.1	20		.3	
7/8	.0	.0	.0	.1	.1	.3	.2		42		.7	
5	.0	.0	.0	.1	.1	.4	.2	.1	50	.0	.9	
5	.0	.0	.0	.1	.4	.6	. 3		85		1.4	
4	.0	.0	.1	.2	1.0	1.0	.6	.0	165		.3 .7 .9 1.4 2.8	
3	.0	.0	.1	.5	1.4	1.9	.4		247		4.2	
2	.0	.0	.2	.9	3.3	2.9	.5	.0	452	.1	7.6	
1	.0	.0	.3	2.1	5.9	4.6	.3	.0	766	.2	12.9	
0	.0	.0	.5	2.8	8.0	5.1	.2	.0	969	.3	16.3	
-1	.0	.0	.4	3.8	9.4	4.5		.0	1060	.2	18.0	
-2	.0	.0	.5	3.2	7.5	2.6		.0	800	.2	13.5	
-3		.0	.4	3.4	5.0	1.0	.0	.0	570	.1	9.7	
-4	.0	:	.3	1.9	2.6	.5	.0	.0	309	.1	5.2	
-5	.0		.2	1.1	1.0	.2	.0	.0	150		2.5	
-6	.0	.0	.1	.4	.4	.1	.0	.0	62	.0	1.1	
-7/-8	.0		.1	.4	.2	.1	.0	.0	51	.0	.9	
-9/-10	.0	.1	.1	.2	.1	.0	.0	.0	19	.0	.3	
-11/-13	.0	.0			.0	.0	.0	.0	4	.0	.1	
-14/-16	.0		.0	.0	.0	.0	.0	.0	1	.0		
TOTAL	1		194		2712		170			75	5750	
		8		1218	-	1514	1	14	5831			
PCT		.1	3.3	20.9	46.5	26.0	2.9	.2	100.0	1.3	98.7	

PERIOD: (OVER-ALL) 1963-1973

TABLE 18

				PC	T FREQ	OF WIND	SPEED	(KTS)	AND DIRE	CTION V	ERSUS S	EA HEIG	HTS (FT	,	
HGT	1-3	4-10	11-21	N 22-33	34-47	48+	PCT			4-10		NE 22-33	34-47	48+	PCT
<1	1.3	3.5	.1	.0	.0	.0	4.9		1-3	1.2	11-21	.0		.0	1.6
1-2	.7	16.4	5.1	.0	.0	.0	22.2			5.7		.0	.0		8.5
3-4	.1	6.7	12.5	.2	.0	.0	19.5		.2	3.4	6.2	.1	.0	.0	9.7
5-6	•	1.3	6.7	.1	.0	.0	8.1		.0			.2			
7	.0		2.0	.3	.0	.0	2.3		.0	.4	3.6	.2	.0	.0	1.7
8-9	.0		.4	.2	.0	.0	.6		.0	.0	.3	.2	.0	.0	.5
10-11	.0		:1		.0	.0	.1		.0	.0	.0		.0	.0	*
12	.0			.0	.0	.0	:1		.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.1	27.9	27.0	.8	.0	.0	57.8		.6	10.9	14.1	.7	.0	.0	26.3
				E								SE			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.3	.0	.0	.0	.0	.4		.0	.1	.0	.0	.0	.0	.1
1-2	.1	.9	.1	.0	.0	.0	1.0		.1	.1		.0	.0	.0	.2
3-4	.0	.4	.5		.0	.0	1.0		.0	.0		.0	.0	.0	
5-6		.1	.2	.0	.0	.0	.3		.0	.0		.0	.0	.0	
7	.0	.0	.1	.0	.0	.0	.1		.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0		.0	.0	.0			.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0		.0	.0			.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	1.6	1.0	.1	.0	.0	2.9		.1	.2	.1	.0	.0	.0	.3

PAGE 618

PERIOD:	tove	9-ALL	1963-1	973				NOVE	MBER				4054	0000		
PERIOD:	LUVE	-ALL!	1403-1	1973				TABLE 18	CONTI				AKEA	14.8		.04
				PC	T FREQ OF	WIND	SPEED	(KTS) AND	DIREC	TION	VERSUS :	SEA HEIG	HTS (FT)			
HGT	1-3	4-10	11-21	\$ 22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	.1	.2	.0	.0	.0	.0	.3					.0	.0	.0		
1-2		.1	.1	.0	.0	.0	.2			.1		.0	.0	.0	.2	
3-4	.0		.0	.0	.0	.0			.0			.0	.0	.0	.1	
5-5	.0	.0	.0	.0	.0	.0	.0		.0		.0	.0	.0	.0		
7	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	0		.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
OT PCT	.1	.3	.1	.0	.0	.0	.5			•2		.0	.0	.0	.3	
												NW				TOT
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT	P
<1	.3	.3	.0	.0	.0	.0	.5		.4	.9	.0	.0	.0	.0	1.3	
1-2	.1	.7	.0	.0	.0	.0	.8		.3	3.5	.5	.0	.0	.0	4.3	
3-4	.0	.1	.1	.0	.0	.0	.1			1.3	.6		.0	.0	1.9	
5-6	.0	. 0		.0	.0	.0			.0	.1	.2	.0	.0	.0	.3	
7	.0	.0	.0	.0	.0	.0	.0		.0	.0			.0	.0	.1	
8-9	.0	.0	.0	.0	.0	.0	.0		.0	•0		.0	.0	.0		
10-11	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	•0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
26-32	.0			.0	.0	.0	.0		.0	.0	.0	.0		.0	.0	
33-40	.0	.0	.0			.0	.0		.0	.0	.0	.0	•0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0		
DT PCT	.4	1.0	.1	.0	.0	.0	0		.7	5.8			.0		7.9	9
u		1.0		.0	.0	.0	1.5		. /	2.8	1.4		.0	.0	1.9	9

	WIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	6.2	6.5	.1	.0	.0	.0	12.8	003
1-2	1.8	27.2	8.3	.0	.0	.0	37.3	
3-4	•1	11.6	19.6	.3	.0	.0	31.6	
5-6	•1	1.9	10.6	.3	.0	.0	12.8	
7	•0	.1	3.5	.5	.0	.0	4.1	
8-9	•0		.7	.4	.0	.0	1.2	
10-11	.0		.1	.1	.0	.0	.2	
12	.0			.0	.0	.0	.1	
13-16	•0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	•0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	•0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	•0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	•0	.0	.0	.0	.0	.0	.0	
								3249
TOT PCT	8.1	47.4	42.9	1.5	.0	.0	100.0	

PERIOD: (PRIMARY) 1923-1973 (OVER-ALL) 1855-1973

TABLE 1

AREA 0008 DAKAR 14.8N 17.9W

PERCENT FREQUENCY OF WEATHER OFCURRENCE BY WIND DIRECTION

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHENDI	MENA	
WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	SIG WEA
N NE	:1	.1	.1	:0	.0	.0	:0	:1	:1	:2	1.9	:0	3.2	1:5	93.0
E	.9	.0	.2	.0	.0	.0	.0	1.0	.1	.3	1.7	.0	12.1	4.6	80.0
SE	6.4	.0	.0	.0	.0	.0	.0	6.4	.0	.0	.0	.0	9.6	6.4	77.6
S	3.6	.0	.0	.0	.0	.0	.0	3.6	.0	.0	5.5	.0	1.8	.0	89.1
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	19.7	.0	7.0	.0	73.2
	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	.0	13.2		85.6
NW	.6	.0	.2	.0	.0	.0	.0	.8	.6	.4	2.2	.0	4.8	.1	91.1
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	:0	:0	.0	.0	:0	:0	:0	:0	1.6	.0	4.8	4.8	88.7
TOT DES:	7095	•	.1	.0	.0	•0	.0	.3	•1	.2	1.9	•0	4.4	1.8	91.3

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			,	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT	PCPN PAST	THOR	FOG WD PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	NO SIG WEA
00603	.1	.0	.2	.0	.0	.0	.0	.2	.1	.4	1.6	.0	3.7	1.3	92.7
90300	.5	.1	.1	.0	.0	.0	.0	.6	.2	.4	2.2	.0	4.1	1.6	90.8
12615	.1	.1	.0	.0	.0	•0	.0	.2	.1	.0	1.6	•0	4.5	2.2	91.4
18621	.2	•1	.0	.0	.0	•0	.0	.3	.0	.1	2.3	•0	5.5	1.6	89.9
TOT PCT	7234	•1	.1	.0	.0	•0	.0	.3	-1	.2	2.0	•0	4.5	1.7	91.2

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

		WI	ND SPE	ED IKN	DTS)								HOUR	(GMT)				
WHD DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL	FREQ	SPD	00	03	06	09	12	15	18	21	
N NE	1.3	17.2		1.2		.0		38.9	11.4	46.9	55.2	39.6	25.9	30.1	50.0	42.5	39.9	
E	.5	3.8	3.8	.7		.0		8.9	11.8	5.6	3.8	7.9	13.6	12.7	4.6	7.7	9.0	
SE	.1	.4	.1		.0	.0		.7	7.2	.5	.0	.6	. 8	.9	.3	. 8	.8	
5	.1	.1	.1	.0	.0	.0		.3	7.6	.4	.0	.3	.4	.3	.0	.4	.3	
SW	.1	.1		.0	.0	.0		.3	4.7	.3	1.2	.3	.1	.2	.0	.4	.5	
W	.2	.4		.0	.0	.0		.6	5.8	. 8	.4	.4	.6	.2	.6	.7	.7	
NW	.4	2.0	.5		.0	.0		2.9	7.6	3.8	5.1	3.0	1.5	1.3	1.9	3.5	3.8	
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	1.1							1.1	.0	1.5	2.3	1.3	. 8	.7	1.2	.9	1.3	
TOT DBS	628	5166	6145	633	12	0	12584		11.7	2525	173	2479	1136	2510	162	2447	1152	
TOT PCT	5.0	41.1	48.8	5.0	.1	.0		100.0	7.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

			SPEED							HOUR		
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL	PCT	MEAN	00	06	12	
						DAS	FREQ	SPO	03	09	15	21
N	6.0	26.5	5,9	.1	.0		38.9	11.4	47.4	35.3	31.3	41.7
NE	5.5	29.1	11.1	.5			46.3	12.7	39.7	49.7	52.8	43.2
E	2.0	4.7	2.0		.0		8.9	11.8	5.5	9.7	12.2	8.1
SE	.4	.3		.0	.0		.7	7.2	.4	.6	.9	. 8
SE	.2	.1		.0	.0		.3	7.6	.3	.3	.3	.4
SW	.3			.0	.0		.3	4.7	.4	.2	.2	
	.4	.2		.0	.0		.6	5.6		.5	.3	:7
NW	1.3	1.5			.0		2.9	7.6	3.9	2.6	1.4	3.6
			.1								.0	
VAR	.0	.0	.0	.0	.0		0	.0	0	0	.0	0
CALM	1.1			-			1.1	0	1.6	1.1	!	1.1
TOT OBS	2164	7907	2408	103	2	12584		11.7	2698	3615	2672	3599
TOT PCT	17.2	62.8	19.1	.8			100.0		100.0	100.0	100.0	100.0

							ECEMBER						
PERIOD: (PRIMARY) (OVER-ALL	1923-197						TABLE 4				AREA	0008 DAKA	17.9
			PER	CENTAGE	FREQUE	ENCY OF	WIND SPI	EED BY	HOUR	(GHT)			
	HOUR	CALH	1-3	4-10	11-51 DAIA	SPEED 1	34-47	40+	MEAN	PCT	TOTAL OBS		
	00603	1.6	4.0	44.9	45.0	5.2	:1	.0	11.9	100.0	2698 3615		
	12615 18621 TOT	1.1	5.2	34.7 43.5 5166	54.8 46.4 6145	7.0 3.9 633	12	.0	11.2	100.0	2672 3599 12584		
	PCT	1.1	3.9	41.1	48.8	5.0	.1	.0		100.0			

			T.	ABLE 5								TA	BLE 6					
	PCT FRE	Q OF T	OTAL WIN	CLOUD A	HOUNT	(EIGHTHS)		1	PERCEN	TAGE F	REQUEN	CY OF	CEILIN NH <5/	S HEIG	HTS (T, NH	24/8) ON	
WND DIR	0-2	3-4	5-7	8 & 08500	TOTAL	COVER	000 149	150	300 599	999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL
N	27.8	7.0	8.9	3.4		2.4	.1	.0		.3	1.1	.9	.6	.3	.6	1.6		
NE	22.5	6.2	8.6	3.8		2.8		.0		.4	. 8	1.1	. 8	.5	.3	1.6	35.5	
E	3.7	.5	1.1	. 8		2.6	.0			.1	.2	.2	.1	.1		.1	5.3	
SE	.2		.1			3.4	.0	.0	.0	.0	.0			.0			.3	
S	.2		.0	.1		2.4	.0	.0		.0		.0	.0	.0	.0	.0	.2	
SW	.1					2.8	.0	.0	.0	.0		.0		.0		.0	.2	
	.2	.2	.1			3.2	.0	.0	.0	.0	.0	.0	.0			.0	.5	
NW	2.0	.6	.6	. 2		2.5	.0	.0			.1		.1			.1	3.1	
VAR	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.6	.1	.2	1		2.4	.0	.0	.0	.0			.0			.1	. 8	
TOT OBS		811	1079	466	5511	2.6	10	1	6	43	121	128	92	56	54	187	4813	5511
TOT PC		14.7	19.6		100.0		.2	•	.1	. 8	2.2	2.3	1.7	1.0	1.0	3.4	87.3	100.0

					TABLE	7			
		CUM	ULATIVE F CEILIN	PCT FREG	OF SIML	STANEOUS	SBY (NM)	NCE	
					VSBY (NE	1)			
	CEILING	. OR	- OR	- OR	· OR	* DR	. OR	. DR	- DR
	(FEET)	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
	OR >6500	3.7	4.3	4.4	4.4	4.4	4.4	4.4	4.4
	OR >5000	4.6	5.3	5.4	5.4	5.4	5.4	5.4	5.4
	DR >3500	6.0	6.9	7.1	7.1	7.1	7.1	7.1	7.1
	DR >2000	8.2	9.3	9.4	9.5	9.5	9.5	9.5	9.5
•		10.1	11.5	11.7	11.7	11.7	11.7	11.7	11.8
•		10.7	12.2	12.5	12.5	12.5	12.5	12.5	12.5
	DR >300	10.7	12.3	12.6	12.6	12.6	12.6	12.6	12.6
	DR >150	10.7	12.3	12.6	12.6	12.6	12.6	12.6	12.6
	DR > D	10.8	12.4	12.8	12.8	12.8	12.8	12.8	12.8
	TOTAL	603	693	714	717	717	717	717	718
	TOTAL NUM		5: 559				NH <5/8:	87.2	

					TABL	E 7A				
		P	RCENT	AGE FR	EQ OF	FOM (CLOUDS	(EIGHT	HS)	
0	1	2	3		5			7 8	OBSCD	TOTAL
58.0	10.9	7.1	5.7	4.7	2.7	3.:	2 3.0	4.6	.2	5794

n	F	c	E	M	R	R

PERIOD:	(PRIMARY)	1923-1973
	INVER-ALL V	1855-1973

TABLE B

AREA 0008 DAKAR 14.8N 17.9W

		P	ERCENT	PRECE	PITATI	DIREC	H VARY	ING V	ALUES	F VIS	IBILII	URRENC	E OF
VSBY (MM)		N	NE	E	SE	s	SW	W	NW	VAR	CALM	PCT	TOTAL
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	NO PCP		.0	.0	.0	.0	.0	.0	.0	.0	.0		
	101 %		.0	.0	.0	.0	.0	.0	.0	.0	.0		
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1		.5	. 5		.0	.0	.0		.1	.0	.0	1.2	
	TOT %	.5	.5		.0	.0	.0		• 1	.0	.0	1.2	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	NO PCP	.4	.5	.3	*	*	*			.0	.0	1.4	
	TOT %	.4	.5	.3						.0	.0	1.4	
	PCP	.0		.0	.0	.0	.0	.0	.0	.0	.0		
2<5	NO PCP	.7	1.0	.4		.0	*	*		.0		2.2	
	TOT %	.7	1.0	.4		.0				.0		2.2	
	PCP		.1	1.8		.2	.0	.0		.0	.0	.2	
5<10	NO PCP	7.9	8.1	1.8	.1	. 2	.1	.2	. 8	.0	.3	19.4	
	TOT %	7.9	8.2	1.9	.2	. 2	• 1	. 2	. 8	.0	.3	19.6	
	PCP					.0	.0	.0		.0	.0	.1	
10+	NO PCP	36.9	30.6	3.9	.2	.2	.2	.4	2.6	.0	.5	75.5	
	TOT &	37.0	30.7	3.9	.2	. 2	• 2	.4	2.6	.0	.5	75.7	
	TOT OBS												7091
	TOT PCT	46.5	40.9	6.5	.4	. 4	. 3	. 6	3.5	.0	. 9	100.0	

TABLE 9

				PERCENT	FREQ	OF WIN	D DIRE	CTION	VS WI	ND SPE	ED		
VSBY	SPD	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL
(MM)	KTS		ME	-	35	2	2 M		NW	VAR	CALH	,,,,	DBS
	0-3		.0	.0	.0	.0	.0	.0	.0	.0	.0	*	
<1/2	4-10	*	*	*	.0	.0	.0	.0	.0	.0		*	
	11-21			.0	.0	.0	.0	.0	.0	.0		*	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %				.0	• 0	.0	.0	.0	.0	.0	.1	
	0-3			.0	.0	.0	.0	.0	.0	.0	*		
1/2<1	4-10	.2	.1	.0	.0	.0	.0	*	*	.0		.3	
	11-21	.2	.2	*	.0	.0	.0	.0	*	.0		.4	
	22+		.1	*	.0	.0	.0	.0		.0		.1	
	TOT %	.4	.4	*	.0	.0	.0		.1	.0	*	.9	
	0-3	.1			*					.0	.0	.2	
1<2	4-10	.1	.2	.1	*		*		*	.0		.4	
	11-21	.2	.3	.2	.0	.0	.0	.0	*	.0		.7	
	22+	.0	.1	*	.0	.0	.0	.0	.0	.0		.1	
	TOT %	.3	.6	.3	*	*	*	*		.0	.0	1.4	
	0-3	.1	.1		.0	.0		.0	.0	.0	*	.2	
2<5	4-10	.2	.3	.2		.0	*			.0		. 8	
	11-21	.3	.7	.2		.0	.0	.0		.0		1.3	
	22+		.2	.1	.0	.0	.0	.0	.0	.0		.3	
	TOT %	.6	1.3	.5		.0	*	*		.0	*	2.6	
	0-3	.4	.4	.1				.1	.1	.0	.4	1.6	
5<10	4-10	3.6	3.6	.7	.1	.1		.1	. 5	.0		8.7	
	11-21	3.1	4.4	1.0	*		*	*	.1	.0		8.7	
	22+	.2	. 5	.2	*	.0	.0	.0	.0	.0		.9	
	TOT %	7.3	8.9	2.1	.1	. 2	*	.1	.7	.0	.4	19.9	
	0-3	.9	.7	.2	.1		.1	.1	.2	.0	.6	2.9	
10+	4-10	14.5	11.6	1.8	.2	.1	.1	.3	1.7	.0		30.2	
	11-21	17.4	18.7	2.0	.1	.1	*		.4	.0		38.7	
	22+	1.0	2.0	.4	.0	.0	.0	.0		.0		3.4	
	TOT %	33.7	33.0	4.4	.3	• 2	.2	.4	2.4	.0	.6	75.2	
т	OT DBS												9469
	OT PCT	42.4	44.2	7.3	.5	.3	.3	.6	3.2	.0	1.1	100.0	

DECEMBER

PERIOD: (PRIMARY) 1923-1973 (OVER-ALL) 1855-1973

TABLE 10

AREA 0008 DAKAR 14.8N 17.9W

PERCENT	FREQUENCY OF	CEILING	HEIGHTS	(FEET, NH	>4/8)	AND
	OCCUPAC	NEE OF M	4 46 10 01	UDITE		

HOUR (GMT)	000	150	300 599	999	1000	2000 3499	3500 4999	5000	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL
00603	.2	.0	.0	.8	1.7	2.1	1.5	.8	1.0	3.3	11.5	88.5	1436
06609	.1	.0	.1	.4	2.8	2.4	1.2	.9	.7	3.6	12.3	87.7	1409
12615	.1	.1	.1	.8	2.1	1.9	1.3	1.3	.7	2.9	11.4	88.6	1494
18621	.3	.0	.2	.9	2.3	2.8	2.5	1.1	1.4	3.7	15.3	84.7	1386
TOT	11	1	6	43	128		94	57 1.0	1.0	193	720	5005 87.4	5725 100.0

TABLE 11

TABLE 12

		PERCENT	FREQUEN	CY VSBY	(NM)	BY HOUR		CUMULAT	IVE PCT	FREQ IG HGT	OF RAM	IGES UF	VSBY (NM)	AND/OR
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL
00403		.6	.9	2.6	19.2	76.6	2223	00603	.2	.2	3.2	10.6	86.2	1398
90300		1.1	1.3	2.1	21.3	74.1	2621	90360	.1	.2	2.8	11.7	85.6	1378
12615	-1	1.1	1.3	2.5	16.6	78.3	2180	12615	•2	.4	3.8	10.1	86.0	1459
18621	.1	.9	1.7	3.2	22.3	71.8	2585	18621	.4	.7	4.2	13.6	82.2	1357
TOT	.1	91	129	251	1922	7208 75.0	9609 100.0	TOT PCT	13	21	196	642	4754 85.0	5592 100.0

TABLE 1

					AULL I.	•				
	PERC	ENT FR	EQUENC	OF R	ELATIV	HUMI	DITY 8	Y TEMP	TOTAL	PCT
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100		FREC
85/89	.0	.0		.1	.1	.1		.0	22	.4
80/84	.0	.0	• 2	1.0	2.2	2.6	1.0	.2	440	
75/79	.0		1.0	4.6	8.7	13.9	7.7	2.0	2310	38.0
70/74	.0	.1	1.3	4.5	10.7	15.1	9.2	3.0	2659	43.8
65/69	.0		.2	1.2	2.0	4.3	2.1	.5	627	10.3
60/64	.0	.0	.0	.0		.1	.1		15	. 2
TOTAL	0	8	168	694	1451	2187	1224	341	6073	100.0
PCT	.0	.1	2.8	11.4	23.9	36.0	20.2	5.6		

TABLE 14

	PERCE	NT F	REQUENCY	OF WI	ND DIR	ECTION	BY T	EMP	
4	NE	E	SE	S	SW	W	NW	VAR	CALM
	.1	*	.0	.0				.0	.0
7	2.5	.4	.0	.1			.5	.0	.1
3	14.7	2.3	.2	.1	.1	.4	1.9	.0	.5
,	19.3	2.7	.2	.1	.1	.2	1.2	.0	.1
,	4.5	. 8		.0	.0	.0	.1	.0	.0
	.1	*	.0	.0	.0	.0	.0	.0	.0
,	41.1	6.2	.4	.3	.3	.6	3.7	.0	.8

TABLE 15

	MEANS,	EXTREMES	AND	PERCEN	TILES	CF TEM	P (DE	G F) B	A HOR
HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL
00603	89	81	79	73	68	65	60	73.4	273
90300	86	80	78	73	68	65	61	73.0	365
12615	89	84	82	75	69	66	59	75.3	266
18821	89	84	81	75	69	66	62	74.8	359
TOT	89	82	80	74	AR	45		74-1	1264

TABLE 16

	PERC	ENT PRE	QUENCY	UF RELA	IIVE H	UMIDITY	BY HOU	,
HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
60300	.0	4.8	17.0	40.4	29.5	8.3	76	1550
90300	.0	13.0	19.5	35.3	24.7	7.6	74	1582
12615	.0	25.5	29.9	30.5	10.9	3.2	68	1526
18621	.0	13.3	28.7	37.3	16.8	3.9	71	1530
TOT	0	873	1467	2220	1271	357	72	6188

١	c	c	E	-	a	E	ø	

PERIOD: (PRIMARY) 1923-1973		AREA DODE DAKAR
(OVER-ALL) 1855-1973	TABLE 17	14.8N 17.9W

PCT FREQ OF	AIR	TEMP	ERAT	AIR-	DEG F	AND EMPERA	THE D	CCURR DIFFE	ENCE DI	F FOG (WI	THOUT	PRECIPITATION
AIR-SEA	57	61	65	69	73	77	61	65	89	101	*	WO
THP DIF	60	64	68	72	76	80	84	88	92		FOG	FOG
17/19	.0	.0	.0	.0	.0		.0	.0	.0	1	.0	
14/16	.0	.0	.0	.0	.0		.0		.0	4	.0	.1
11/13	.0	.0	.0	.0			.1		.0	15		.2
9/10	.0	.0	.0		.2	.2				28		.4
7/8	.0	.0	.0		.2	.3	.2	.1	.0	54		.8
6	.0	.0	.0		.2	.3	.1		.0	50		.7
5	.0	.0		.2	.7	.6	.3		.0	122	.1	1.8
4	.0	.0		.4	1.2	1.0	.3			199	.1	3.0
3	.0	.0	.1	.6	2.1	1.5	.4	.1	.0	311	.1	4.6
2	.0	.0	.1	1.5	3.6	2.2	.6	.1	.0	524	.1	7.9
ī	.0		.4	2.8	6.9	3.4	.6	.0	.0	920	.5	13.6
0	.0	.0	1.0	3.9	7.8	4.3	.7	.0	.0	1153	.4	17.2
-1		.0	1.0	4.3	7.4	3.4	.6		.0	1094	.3	16.4
-2	.0		1.0	4.0		2.4	.2	.0	.0	806	.2	12.2
-3			. 8	3.0	3.4	1.3	.1		.0	573	.1	8.7
-4	.0		.5	1.7	1.8	.5	.1	.0	.0	304		4.6
-5	.0		.4	1.0	.9	.5		.0	.0	184	.0	2.8
-6	.0	.0	.2	.4	.4	.1	.0	.0	.0	75		1.1
-7/-8	.0	.1	.2	.4	.5	.2	.0	.0	.0	84	.0	1.3
-9/-10	.0		.1	.2	.1		.0	.0	.0	25	.0	.4
-11/-13	.0				.0	.0	.0	.0	.0	3	.0	
-14/-16	.0			.0	.0	.0	.0	.0	.0	2	.0	
TOTAL	2		379		2757	• • •	288		2		139	6392
		18	100	1598	070	1460	-	27	12/16	6531	-	
PCT		.3	5.8		42.2	22.4	4.4	.4		100.0	2.1	97.9

PERIOD: (OVER-ALL) 1963-1973

TABLE 18

				PC	T FREQ	OF WIND	SPEED	(KTS)	AND DIREC	TION V	ERSUS S	EA HEIG	HTS (FT		
				N								NE			
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.6	1.7	.1	.0	.0	.0	2.3		.4	1.2	.1	.0	.0	.0	1.7
1-2	.4	11.5	4.6	.0	.0	.0	16.5		.2	5.8	3.8	.0	.0	.0	9.9
3-4	.0	5.0	13.1	.2	.0	.0	18.3		.1	3.7	10.5	.4	.0	.0	14.7
5-6	.0	.6	7.5	.4	.0	.0	8.5		.0	.6	7.0	1.0		.0	8.7
7	.0	.2	2.5	.4	.0	.0	3.1		.0	.2	2.1	1.0	.0	.0	3.3
8-9	.0	.0	.5	.2	.0	.0	.8		.0	.0	.4	.6	.0	.0	1.0
10-11	.0	.0		.2	.0	.0	.2		.0	.0	.1	.2	.0	.0	.3
12	.0	.0		.0	.0	.0			.0	.0	.1	.1	.0	.0	.2
13-16	.0	.0	.0		.0	.0			.0		.0	.1	.0	.0	.1
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	0	.0		.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.0	19.0	28.4	1.4	•0	.0	49.7		.6	11.6	24.2	3.2	•	•0	39.7
				E											
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT		1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.2	.0	.0	.0	.0	.4			.0	.0	.0	.0	.0	
1-2	.1	1.0	.4	.0	.0	.0	1.4		.0		.0	.0	.0	.0	
3-4	.0	.4	1.0	.1	.0	.0	1.5		.0	.0	.0	•0	.0	•0	•0
5-6	.0	.0	.9	.2	.0	.0	1.1		.0	.0	.1		.0	.0	.1
7	.0	.0	.3	.2	.0	.0	.5		.0	.0	.0	.0	.0	.0	•0
8-9	.0	.0	.1	.1	.0	.0	.2		.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0		.1	.0	.0	.1		.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.1	.0		.0	.1		.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0		.0		.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	1.5	2.7	.7		.0	3.2				.1		.0	.0	.1

									DECE	MBER							
PERIOD:	(DAE)	R-ALL)	1963-1	973				TABLE	10	CONT				AREA	14.	DAKAR	7.9W
								MOLF		CUMI						on 1	.,,,
				PC	T FREQ	OF WIND	SPEED	(KTS)	AND	DIREC	TION	VERSUS	SEA HEIG	HTS (FT)			
HGT	1-3	4-10	11-21	5 22-33	34-47	48+	PCT			1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	.0	4-10	.0	.0	.0	.0				.1				.0	.0	.1	
1-2	.0	.1		.0	.0	.0	.1							.0	.0	.1	
3-4	.0	.0	.1	.0	.0	.0	.1			.0	.0			.0	.0		
5-6	.0			.0	.0	.0	.1			.0				.0	.0		
7	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0		.0	.0	.0	
8-9	.0	.0		.0	.0	.0				.0	.0		.0	.0	.0		
10-11	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
17-19	.0	.0	.0	.0	.0		.0			.0	.0			.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
TOT PCT	.0	•1	.1	.0	.0	.0	.2			-1	•1		.0	•0	.0	.2	
				_									NW				TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT			1-3	4-10	11-21		34-47	48+	PCT	PCT
<1	.1		.0	.0	.0	.0	.1			.2	.3	.0	.0	.0	.0	.6	
1-2	.1	.1	.0	.0	.0	.0	.2			.1	1.5	.1	.0	.0	.0	1.7	
3-4	.0		.0	.0	.0	.0				.0	.6		.0	.0	.0	1.0	
5-6	.0	.0	.1	.0	.0	.0	.1			.0		. 2	.0	.0	.0	.2	
7	.0	.0	.0	.0	.0	.0	.0			.0				.0	.0	.1	
8-9	.0	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0			.0	.1			.0	.0	.1	
13-16	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0			.0	.0			•0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0			.0	.0			•0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
49-60	.0	.0		.0		.0	.0			.0	•0			.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	0	
87+	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
TOT PCT	.2	.2	.1	.0	.0	.0	.4			.3	2.5			.0	.0	3.5	99.1
			••							.,	2.03		.0	••		3.,	

0 3

	MIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	2.9	3.6	.2	.0	.0	.0	6.7	000
1-2	1.0	19.9	8.8	.0	.0	.0	29.8	
3-4	•1	9.7	24.8	.7	.0	.0	35.2	
5-6	.0	1.3	15.6	1.5		.0	18.5	
7		.4	4.9	1.5		.0	6.9	
8-9	•0	.0	1.0	1.0	.0	.0	2.0	
	•0				.0			
10-11	•0	.0	.2	.4	.0	.0	.6	
12	•0	.1	.2	.1		.0	.3	
13-16	•0		.0	.1	.0	.0	.1	
17-19	•0	.0	.0	.0	.0	.0	.0	
20-22	•0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	•0	.0	.0	.0	.0	.0	.0	
33-40	•0	.0	.0	.0	.0	.0	.0	
41-48	•0	.0	.0	.0	.0	.0	.0	
49-60	•0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	•0	.0	.0	.0	.0	.0	.0	
	-						-	3445
TOT PCT	3.9	35.0	55.7	5.3	•.1	.0	100.0	

ANNUAL

PERIOD: (PRIMARY) 1921-1973 (OVER-ALL) 1854-1973

CA D

TABLE 1

AREA 0008 DAKAR 14.9N 17.9W

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

									A STATE OF THE PARTY OF THE PAR						
			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
WND DIR	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT	PCPN PAST HOUR	THOR	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNUW	ND SIG WEA
N NE	.6		.1	.0	.0	.0		1.0	.3	1.2	2.9		6.1	1.2	87.3
NE	1.1	.5	.3	.0	.0	.0		1.9	.5	1.6	3.0		5.5	1.6	86.1
E	3,1	1.8	.4	.0	.0	.0	.1	5.4	1.8	3.1	2.3	.0	7.2	2.5	78.4
SE	4.3	2.4	.7	.0	.0	•0	.0	7.4	1.5	2.6	3.8	.0	3.7	1.0	80.6
SE	2.7	2.3	.7	.0	.0	•0	.0	5.7	1.4	2.3	4.2	.1	4.6	1.2	81.0
SW	1.6	1.5	.4	.0	.0	•0	.1	3.5	1.7	3.1	5.4		5.4	2.6	78.4
SW	1.0	1.0	.1	.0	.0	.0	.1	2.2	.8	2.1	4.3	.2	7.0		81.9
NW	.6	.3	.2	.0	.0	•0		1.1	.6	1.8	4.0		6.6	1.0	85.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM		.3	.2	.0	.0	.0		1.4	1.0	2.5	4.7	.2	8.3	1.9	80.3
TOT PCT TOT DBS:	1.0 84597	.7	.2	.0	.0	.0	•	1,9	.8	1.6	3.1	•	5.9	1.4	85.5

TABLE 2
PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

			P	RECIPI	TATIO	N TYPE					OTHER	WEATHER	PHEND	MENA	
HOUR (GMT)	RAIN	RAIN	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THOR	FOG WO PCPN	PCPN PAST HR	SMOKE	SPRAY BLWG DUST BLWG SNOW	NO SIG WEA
00603 06609 12615 18621	1.1 1.5 .7	1.0	.3	.0	.0	•0	:	1.9 2.9 1.5 1.5	.7 .8 1.0	3.5 2.6 .1	2.5 3.7 2.7 3.8	:	5.0 4.9 6.8 7.0	1.7	85.4 84.1 86.2 85.4
TOT PCT	1.0 87835	.7	.2	.0	.0	•0	•	2.0	.8	1.7	3.2	•	5.9	1.4	85.3

TABLE 3

		WI	ND SPE	ED (KN	OTS)								HOUR	(GMT)			
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	DBS	PCT	SPD	00	03	06	09	12	15	18	21
N NE	1.7	18.8	21.0		:	.0		43.0	11.1	43.9	47.3	43.0	39.1	41.8		45.2	41.2
E	.3	2.0	1.3	.2		.0		3.9	10.0	2.8	2.1	3.5	5.5	5.4	3.1	3.2	3.6
SE	.2	.9	.3			.0		1.5	8.0	1.3	1.3	1.5	1.9	1.9	1.8	1.3	1.2
S	.5	1.5	.6			.0		2.7	7.1	2.8	2.2	2.4	2.2		2.8	2.9	2.6
SW	.6	2.6	.8	.1		.0		4.0	6.7	4.7	4.7	4.1	3.2	3.2		3.9	4.7
W	.7	4.4	1.1			.0		6.3	6.7	6.9	7.1	6.7	5.6	5.4	6.8	6.4	6.7
NW	1.1	8.9	4.2	.1		.0		14.4	8.7	15.9	17.9	15.0	12.3	12.4	15.2	14.7	14.8
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	2.2							2.2	.0	2.8	3.9	2.7	1.9	1.7	1.7	1.8	2.1
TOT OBS							149512		10.4	29599	1977	29468	13315	30541	2013	29001	13598
TOT PCT	8.1	48.4	40.1	3.3	.1	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

					TAB	LE 3A						
WND DIR	0-6	7-16	SPEED 17-27	(KNDTS) 28-40	41+	TOTAL OBS	PCT	MEAN SPD	00 03	HOUR 06 09	12 15	18 21
N	7.8	27.2	7.8	.2			43.0	11.1	44.1	41.8	42.1	43.9
NE	3.8	13.4	4.7	.2			22.1	11.6	18.6	23,3	25.0	21.4
E	1.2	2.0	.6	.1			3.9	10.0	2.7	4.1	5.3	3.3
SE	.7	.7	.1		.0		1.5	8.0	1.3	1.6	1.9	1.3
SW	1.3	1.1	.2	:	.0		2.7	7:1	2.8	3.8	3.2	2.8
W	3.0	3,1	.2		.0		6.3	6.7	6.9	6.3	5.5	6.5
NW	4.7	8.6	1.0		.0		14.4	8.7	16.0	14.2	12.6	14.7
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
TOT DBS	2.2		4			149512	2.2	10.4	31576	42783	32554	42599
TOT PCT	24 8	1	14 .			•	100.0		100-0	100.0	100.0	100.0

A	N	N	u	A	L	

							PHILONE							
PERIOD: (PRIM	MARY) 1921-197 R-ALL) 1854-197						TABLE 4				AREA	0008	DAKAR 14.9N	17.9W
			PER	CENTAGE	FREQUI	ENCY OF	WIND SE	PEED BY	HOUR	(GMT)				
	HOUR	CALM	1-3	4-10			(KNOTS)	48+	MEAN	PCT	TOTAL			
	£0300 90360	2.9	5.9	49.8	38.4	3.0		.0		100.0	31576 42783			
	12615 18621 TOT	1.7	5.5	46.1	42.8	3.9		.0		100.0				
	PCT	2.2	5.9	48.4	40.1	3.3	.1	.0		100.0				

TABLE 5

P	CT FRE			LUUD A		EIGHTHS							CEILIN NH 45/					
WND DIR	0-2	3-4	5-7	8 & 088CD	TOTAL OBS	CLOUD COVER	000 149	150 299	300 599	600	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8	
N	28.3	6.6	8.6	4.1		2.8	.1		.1	.7	2.0	1.6	.8	.4	.4	1.3	40.4	
NE	9.3	2.6	3.7	1.7		3.2				.3	. 8	.7	.4	.2	.2	.4	14.3	
E	1.2	.4	. 8	. 5		3.9		*		.1	.3	.2	.1			.1	2.1	
SE	.3	.2	.5	.4		4.3				.1	.2	.1					.8	
S	.7	.5	1.0	.5		3.2				.2	.3	.2	.1				1.8	
SW	1.0	.7	1.2	.8		3.4				.2	.4	.3	•1	.1		.1	2.4	
	2.1	1.2	1.9	1.2		3.3			.1	.3	.6	.4	.2	.1		.1	4.5	
NW	7.3	2.7	3.8	2.0		2.9			.1	.4	1.3	.9	.3	.1	.1	.4	12.2	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	1.0	.3	.5	.3		3.0	• •	.0		.1	.1	.1				.1	1.7	
TOT OBS					66925	3.0												66925
TOT PCT	51.2	15.1	22.1	11.6	100.0		.3	.1	.4	2.3	6.0	4.6	2,1	.9	.7	2,5	80,2	100.0

CUMULATIVE PCT FREQ OF SIMULTANEOUS UCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

				VSBY (NA				
CEILIN	G . OR	. OR	. OR	= DR	. DR	- DR	- DR	- DR
(FEET)		>5	>2	31	>1/2	>1/4	>50YD	>0
- DR >650	0 2.2	3.1	3.3	3,3	3.3	3.3	3.3	3.3
. DR >500	0 2.9	4.0	4.2	4.2	4.2	4.2	4.2	4.2
= OR >350	0 4.5	5.9	6.2	6.3	6.3	6.3	6.3	6.3
- DR >200		10.3	10.8	10.8	10.8	10.8	10.8	10.8
- DR >100		16.0	16.7	16.7	16.7	16.7	16.7	16.8
. DR >600		18.1	18.9	19.0	19.0	19.0	19.0	19.0
- DK >300		18.5	19.3	19.4	19.4	19.4	19.4	19.4
. OR >150		18.5	19.4	19.5	19.5	19.5	19.5	19.5
. DR > 0	13.8	18.6	19.6	19.7	19.7	19.7	19.8	19.8

TOTAL NUMBER OF OBS: 69022 PCT FREQ NH <5/8: 80.2

TABLE 7A PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 0BSCD OBS 46.0 10.5 9.4 7.5 6.0 4.0 4.8 4.4 7.2 .2 72053

M	N	11	

PERIOD:	(PRIMARY)	1921-1973
	(DUED-ALL)	1854-1073

Ox D

TABLE 8	T	A	B	L	E	8
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AREA 0008 DAKAR 14.9N 17.9W

		P	ERCENT						ALUES				E OF
SBY		N	NE	F	SE	5	SW		NW	VAR	CALM	PCT	TOTAL
	PCP									.0	.0		
1/2	NO PCP				.0					.0		.1	
	TOT \$					•				.0		.1	
	PCP							.0 .1 .1		.0	.0		
/2<1		.7	.3				:	.1	.3	.0		1.5	
	TOT %	.7	.3					.1	.3	.0		1.5	
	PCP									.0	.0		
<2	NO PCP	.5	.2	.1				.1	.2	.0		1.1	
	TOT %	.5	.2	.1				.1	.2	.0		1.2	
	PCP									.0		.2	
<5	NO PCP	1.5	.5	.1			.1	.2	.6	.0	.1	3.1	
	TOT &	1.5	.5	.2		.1	.1	.2	.6	.0	.1	3.3	
	PCP	.2	.1	.1	.1	.1	.2 .9 1.1	.1	.1	.0		1.0	
<10	NO PCP	11.7	4.1	:7	3	:6	.9	1.7	4.5	.0	.5		
	TOT \$	11.9	4.2	.8	.4	.7	1.1	1.9	4.7	•0	.5	26.0	
	PCP	.1	.1		.1	.1	2:5	.1	.1	.0		.6	
0+	NO PCP	32.0	12.5	2.0	.9	1.9	2.5	4.2	9.9	.0	1.4	67.3	
	TOT %	32.1	12.5	2.0	1.0	2.0	2.6	4.3	10.0	.0	1.4	67.9	
	TOT OBS												8449
	TOT PCT	46.8	17.8	3.1	1.4	2.8	3.8	6.6	15.8	.0	2.0	100.0	

TABLE 9

				PERCEN	T FREQ	ARYING	VALUE	S OF V	ISIBIL	ND SPE	ED		
VSBY (NM)	SPD KTS	N	NE	E	SE	s	SW		NW	VAR	CALM	PCT	TOTAL
	0-3		.0	.0	.0					.0			
<1/2	4-10				.0					.0			
	11-21		*				*			.0			
	22+						.0	.0	.0	.0			
	TOT %									.0		.1	
	0-3									.0		.1	
1/2<1		.3	.1					.1	.1	.0		.6	
	11-21	.3	.1						.1	.0		.5	
	22+					.0	.0	.0		.0			
	TOT %	.6	.2					.1	.2	.0		1.2	
	0-3									.0		.1	
1<2	4-10	.2	.1						.1	.0		.5	
	11-21	.2	.1							.0		.4	
	22+				.0	.0				.0		.1	
	TOT %	.5	.2 .	.1				.1	.2	.0		1.1	
100	0-3	.1							.1	.0	.1	.4	
245	4-10	.7	.3	.1			.1	.2	.4	.0		1.7	
	11-21	.7	.3	.1					.2	.0		1.4	
	22+	.1	.1							.0		.2	
	TOT %	1.6	.7	.2	.1	•1	.1	.3	.6	.0	.1	3.7	
	0-3	.4	.2	.1		.1	.1	.2	.3	.0	.5	2.0	
5<10		4.8	2.0	.4	.2	.3	.6	1.2	2.6	.0		12.2	
	11-21	5.7	2.2	.3	.1	.2	•2	.4	1.4	.0		10.4	
	22+	.5	.3	.1					.1	.0		.9	
	TOT %	11.3	4.6	.9	.4	.6	1.0	1.8	4.4	.0	.5	25.6	
	0-3	1.2	.5	.2	.1	.3	.3	.5	.7	.0	1.5	5.3	
10+	4-10	13.4	6.0	1.2	.6	1.2	1.7	3.0	6.2	.0		33.3	
	11-21	15.5	7.1	.7	.2	.4	.5	.7	2.8	.0		28.0	
	22+	.9	7	.1					- 1	.0		1.8	
	TOT %	31.0	14.2	2.2	1.0	1.9	2.6	4.2	9.7	.0	1.5	68.3	
	TOT OBS	44.9	20.0	3,4	1.4	2.7	3.8	6.4	15.2	.0	2,2	100.0	111721

Cr 0

ANNUAL

PER100:	(PRIMARY)	1921-1973
	(OVER-ALL)	1854-1973

TABLE 10

AREA 0008 DAKAR 14.9N 17.9W

PERCENT	FREQUENCY OF	CEILING	HEIGHTS	(FEET, NH	>4/8)	AND
	DCCURRE	NCE OF NE	4 <5/8 BY	HOUR		

HOUR (GMT)	000	150	300 599	999	1000	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	
00603	.3		.4	2.0	5.0	3.6	1.8	.7	.6	2.2	16.6	83.4	17178
90360	.4	.1	.4	2.9	7.0	5.0	2.2	.9	.6	2.6	22.2	77.8	17246
12615	.2	.1	.4	2.1	5.7	4.8	2.0	.9	.8	2.6	19.6	80.4	19033
18621	.2		.4	1.8	5.3	4.4	2.1	1.0	.9	2.7	18.8	81.2	17405
TOT									37				70862

TABLE 11

TABLE 12

											7400 Men 20 20 20			
		PERCENT	FREQUEN	CY VSBY	(NM)	BY HOUR		CUMULAT	IVE PCT	FREQ G HGT	OF RAN	GES OF NH >4/8	VSBY (NM)	AND/OR
HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL DBS	HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00603	.1	.9	.8	3.4	24.3	70.4	26054	00603	.3	.8	5.9	13.5	80.6	16684
90300	.2	1.5	1.2	3.4	27.5	66.2	31118	90360	.4	1.0	7.1	18.0	74.9	16754
12615	.1	.9	1.1	4.2	23.6	70.1	27014	12615	.2	.7	6.8	16.3	76.9	18609
18621	.1	1.5	1.5	3.9	27.0	66.0	30801	18621	.2	.7	6.4	16.0	77.6	16975
TOT	.1	1.2	1.2	3.7	25.7		114987	TOT	.3	.8	6.5	16.0	77.5	69022

T	RI	1	2

TABLE 14

	PERC	ENT FR	EQUENC	Y OF R	ELATIVE	HUM!	DITY 8	Y TEMP				PERC	ENT FR	EQUENC	Y OF W	IND DI	RECTIO	N BY T	EMP	
TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	DBS	FREQ	N	NE	E	SE	s	SW		NW	VAR	CALM
90/94	.0				.1			.0		.1	.1								.0	
85/89	.0			.1	.5	1.2	.3	.1		2.2	:9	.3	.1	.1	.1	.1	.2	.3	.0	.1
80/84	.0		.1	.4	2.1	10.4	10.9	1.7		25.5	8.0	3,2	.9	.7	1.6	2.0	3.2	4.9	.0	. 9
75/79	.0		.1	.7	2.2	8.2		3.6		26.0	10.6	4.5	.9	.4	.7	1.2	2.3	4.8	.0	.5
70/74	.0		.2	.9	2.9	7.5	10.2			25.7	14.5	5.5	.7	-1	.1	.2	.6	3.6	.0	.3
65/69	.0		.1	.5	1.2	3.9		4.6		19.1	12.4	3.7	.4	.1	.1	.1	.2	2.1	-0	.1
60/64	.0	.0			.1	.2	.6	.6		1.4	.9	.3						.2	.0	
55/59	.0	.0	.0	.0	.0								.0	.0			.0	.0	.0	.0
TOTAL									70994	100.0										
PCT	.0		.5	2.6	9.0	31.4	41.9	14.6			47.3	17.6	3.0	1.3	2.7	3.7	6.6	15.8	.0	2.0

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) 8Y HOUR

DUR MAX 99% 95% 50% 5% 1% MIN MEAN TOTAL

T

TABLE 16

PERCENT FREQUENCY OF RELATIVE MUMIDITY BY HOUR

HOUR 0-29 30-59 60-69 70-79 80-89 90-100 MEAN TOTAL
OBS
00603 .0 .9 4.6 23.7 49.6 21.2 83 17956
06609 .0 2.6 5.9 22.3 47.9 21.3 82 18662
12615 .0 6.3 14.6 40.6 31.3 7.3 76 18742
12615 .0 2.7 10.6 38.2 39.0 9.5 79 18296
TOT 0 2240 6471 23009 31008 10928 80 73656

PERIOD: (PRIMARY) 1921-1973 (OVER-ALL) 1854-1973

TABLE 17

AREA 0008 DAKAR 14.9N 17.9W

PCT FRED OF AT	R TEMPERATURE (DE	G F) AND THE OCCURRENCE	OF FOR CHIT	HOUT PRECIPITATIONS
		A TEMPERATURE DIEECOLNO		PRECENTIALIZATION

					V5 A1	K-SEA	ICHT	KATURE	011	LEKENCE	IDEG P		
AIR-SEA TMP DIF	57 60	64	65	69 72	73 76	77 80	81 84	85 88	89 92	>92	TOT	FÖG	FOG
20/22	.0	.0	.0	.0	.0	.0	:		.0	.0	4	.0	
17/19	.0	.0	.0	.0						.0	19	*	
14/16	.0	.0	.0								67	*	.1
11/13	.0	.0			.1	.1	.1				276		.3
9/10	.0	.0		.1	.1	.2	.1				449		.5
7/8	.0			.2	.4	.3	.2	.1	.1	.0	1069	.1	1.3
6	.0	.0	.1	.3	.4	.3	.2	.1		.0	1040	.1	1.3
. 5			.2	.7	.8	.4	.3	.2		.0	2070	.1	2.5
4	.0		.5	1.1	1.0	.5	.4	.3		.0	3010	.2	3.7
3			.9	1.7	1.3	.7	.8	.4		.0	4561	.3	5.6
2		.1	1.6	2.6	1.7	1.1	1.6	.4		.0	7040	.4	8.6
1		.3	2.4	3.3	2.4	1.9	2.8	.3	.0	.0	10476	.6	12.8
0		.3	2.7	3.4	2.6	3.3	4.1	.2	.0	.0	12812	.6	15.9
-1		.2	2.1	2.7	2.5	4.6	4.2	.1	.0	.0	12738	.5	15.9
-2		.2	1.3	1.9	1.9	4.3	2.2		.0	.0	9193	.3	11.5
-3		.1	.8	1.1	1.6	3.2	.9		.0	.0	6001	.1	7.6
-4		.1	.5	.7	1.0	1.7	.4		.0	.0	3288	.1	4.1
-5	.0	.1	.2	.4	.7	1.0	.2	.0	.0	.0	2008		2.5
-6			.1	.2	.4	.3		.0	.0	.0	836		1.1
-7/-8			.1	.2	.3	.2		.0	.0	.0	706		.9
-9/-10				.1	.1	.1		.0	.0	.0	226		.3
-11/-13							.0	.0	.0	.0	72		.1
-14/-16 TOTAL	.0	•	•		.0	.0	.0	•0	.0	.0	77969	•0	•
PCT		1.4	13.6	20.6	19.2	24.1	18.6	2.3	.2		100.0	3.4	96.6

PERIOD: (OVER-ALL) 1963-1973

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT) HGT <1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 26-32 23-25 26-32 23-40 41-48 49-40 61-70 71-86 87+ 48+ -47 PCT 1.2 5.2 5.3 2.8 1.1 * * * .0 .0 .0 .0 .0 .0 HGT <1 1-2 3-4 5-6 7 8-9 10-11 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60 61-70 71-86 TCT PCT 34-47 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 48+

PERIOD:	OVE	9-ALL	1963-1	973					ANNU	AL				APEA	0008	DAKAR	
	10.5		.,,,,	.,,,				TABLE	18 (CONTI					14.		.98
				PC	T FREQ	DF WIND	SPFED	(KTS)	AND	DIREC	TION	VERSUS	SEA HEIG	HTS (FT)			
HGT	1-3	4-10	11-21	5 22-33	34-47	48+	PCT			1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	.2	.3	11-21	.0	.0	.0	.5			.2	.4			.0	.0	.7	
1-2	.1	.9	.2	.0	.0	.0	1.1			.1	1.3			.0	.0	1.7	
3-4		.3	.3		.0	.0	. 6				.5			.0	.0	. 6	
5-6		.1	.1		.0	.0	. 2			.0	.1	2		.0	.0	.3	
7						.0	.1			.0					.0	.1	
8-9	.0	.0			.0	.0				.0	.0	•		.0	.0		
10-11	.0	.0	.0		.0	.0				.0	.0			.0	.0		
12	.0	.0	.0			.0				.0				.0	.0		
13-16	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
23-25	•0	.0	.0	.0	•0	.0	.0			.0	.0			.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0			.0	•0			•0	•0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0			.0	•0			.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0			.0	•0			.0	•0	.0	
49-60	.0	.0	.0	.0	•0	.0	.0			.0	•0			.0	.0	.0	
61-70 71-86	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
TOT PCT	.3	1.6	.6	.1	*	.0	2.6			.4	2.3			••	.0	3.5	
													NW				7074
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT			1-3	4-10	11-21		34-47	48+	PCT	TOTAL
<1	.3	.9		.0	.0	.0	1.2			.5	1.5			.0	.0	2.0	-
1-2	. 3	2.7	.3	.0	.0	.0	3.3			.3	5.7			.0	.0	7.3	
3-4		.8	.5		.0	.0	1.4				2.3			.0	.0	4.7	
5-6	.0	.1	.3			.0	.4			*	.4				.0	1.6	
7	.0		.1		.0	.0	.1			.0			*	.0	.0	.4	
8-9	.0				.0	.0				.0				.0	.0	.1	
10-11	.0	.0		.0	.0	.0				.0				.0	.0		
12	.0	.0	.0	.0	.0	.0	.0			.0				.0	.0		
13-16	.0	.0	.0	.0	.0	.0	.0			.0				.0	.0	*	
17-19	.0	.0	.0	.0	•0	.0	.0			.0	• 0			.0	•0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0			•0	•0			.0	•0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0			•0	•0			•0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0			.0	•0			.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0			.0	.0			•0	•0	.0	
87+ TOT PCT	.0	.0	.0	.0	.0	.0	.0			.0	.0			•0	•0	.0	97.
IUI PCT	.6	4.5	1.3			.0	6.5			.8	9.8	5.2	• • •		•0	16.1	71.

0-0

		MIND	SPEED	(KTS)	VS SEA	HEIGHT	(FT)		
1	HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
	<1	6.0	6.6	.4	.0	.0	.0	13.0	000
	1-2	2.2	25.5	8.4	.0	.0	.0	36.1	
	3-4		11.4	17.6	.5	.0	.0	29.8	
		• 2							
	5-6		1.9	11.0	.9		.0	13.8	
	7		.3	4.0	.9		.0	5.2	
	8-9	•0	. 1	.9	.4		.0	1.4	
	0-11			.2	.3	*	.0	.5	
	12	•0				*	.0	.1	
1	3-16	•0		*	.1	*	.0	.1	
1	7-19	.0	.0				.0		
21	0-22	•0	.0	.0		.0	.0		
2	3-25	•0	.0	.0	.0	.0	.0	.0	
	6-32	•0	.0	.0	.0	.0	.0	.0	
	3-40	•0	.0	.0	.0	.0	.0	.0	
	1-48	•0	.0	.0	.0	.0	.0	.0	
	9-60	•0	.0	.0	.0	.0	.0	.0	
	1-70		.0	.0	.0	.0	.0	.0	
	1-86	•0			.0		.0	.0	
,		•0	.0	.0		.0			
	87+	.0	.0	.0	.0	.0	.0	.0	
									43097
70	T PCT	8.5	45.8	42.6	3.1	.1	.0	100.0	

PER 100:	(PRIMARY) 1921-1973 (OVER-ALL) 1854-1973				TABLE 20								AREA 000	B DAKAR	17.98	
				1	PERCEN	FRE	EQUENCY	OF	DCCURRENCE	OF	SEA TEMP	IDEG	F)	-		
		EA THP	JAN	FEB	MAR	APR	MAY	JU	N JUL	AUG	SEP	пст	NOV	DEC	ANN	PCT

SEA THP	JAN	* FEB	MAR	APR	HAY	JUN	JUL	AUG	SEP	пст	NOV	DEC	ANN	PCT
96+	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
95/96	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
93/94	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
91/92	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	1	
89/90	.0	.0	.0	.0	.0		.1		.1	.1	.1	.0	38	
87/88	.0	.0	.0	.0		.1	.2	.3	.4	.5	.2	.1	215	.2
85/86	.0	.0	.0		.1	.7	2.0	7.1	3.4	4.5	1.3	.2	1661	1.2
83/84	.1			.1	.2	4.3	10.9	12.2	20.8	24.9	7.5	.8	9476	6.7
81/82	.3		.2	.3	1.7	13.1	32.4	43.5	49.9	42.9	22.6	3.5	24417	17.3
79/80	.5	.2	.3	.5	3.5	14.3	21.2	26.0	19.1	17.3	23.0	7.1	15490	11.0
77/78	1.7	.5	.4	1.7	6.3	13.4	13.5	10.7	4.6	6.7	21.3	12.7	10989	7.8
75/76	4.5	1.8	1.9	3.5	9.4	14.1	10.2	3.7	1.0	2.0	13.5	19.1	10017	7.1
73/74	11.5	5.6	5.2	7.2	16.0	16.8	6.6	.9	.5	.7	7.4	23.8	12139	8.6
71/72	19.0	11.4	11.5	13.6	21.2	13.1	2.2	.3	.2	.3	2.1	16.9	13330	9.4
69/70	21.2	18.8	19.5	21.3	21.2	6.7	.6	.2		.1	. 8	9.6	14301	10.1
67/68	20.6	25.6	25.3	25.0	13.3	2.5	.1				.3	4.5	13958	9.9
45/66	12.2	19.3	19.9	16.8	9.0	.6				.0		1.3	8921	6.3
63/64	6.7	13.2	12.8	8.4	1.7	.2		.0	.0	.0	.0	.4	5152	3.6
61/62	1.3	3.1	2.5	1.3	.3			.0	.0	.0	.0	.1	1002	.7
59/60	.4	.5	.4	.3			.0	.0	.0	.0	.0		201	.1
57/58	.1		.1			.0	.0	.0	.0	.0	.0	.0	26	
55/56						.0	.0	.0	.0	.0	.0	.0	8	
53/54	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	1	
51/52	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
49/50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
47/48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
45/46	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
43/44	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
41/42	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	v	.0
39/40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
37/38	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
35/36	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
33/34	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
31/32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
29/30	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
27/28	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
<27	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
TOTAL	11657	11205	12528	11917	12386	11884	11820	11803	10931		11346	11921	141343	
MEAN	69.4	67.7	67.8	68.7	71.6	76.0	79.4	80.5	81.4	81.4	78.6	74.0	74.7	

TABLE 21 PRESSURE (MB)

			AV	FRAGE	BY HOU	R (GM	T)				
										TOTAL	
MO	0000	0300	0600	0900	1200	1500	1800	2100	MEAN	OBS	
JAN	1014	1014	1013	1014	1015	1013	1013	1014	1014	8524	
FEB	1014	1012	1012	1014	1014	1012	1012	1013	1013	8471	
MAR	1013	1011	1012	1013	1013	1012	1011	1012	1012	9404	
APR	1013	1011	1012	1013	1013	1011	1011	1012	1012	9007	
MAY	1013	1012	1012	1013	1014	1012	1011	1012	1013	9184	
JUN	1014	1013	1013	1014	1014	1013	1013	1014	1014	9043	
JUL	1014	1013	1013	1014	1014	1013	1012	1013	1013	8862	
AUG	1013	1012	1012	1013	1013	1012	1011	1012	1012	8974	
SEP	1013	1012	1012	1013	1013	1012	1012	1013	1013	8263	
DCT	1013	1012	1012	1013	1014	1012	1012	1013	1013	8937	
NOV	1013	1012	1012	1013	1013	1011	1011	1013	1012	8044	
DEC	1014	1013	1013	1014	1014	1012	1012	1013	1013	8663	
ANN	1013	1012	1012	1013	1014	1012	1012	1013	1013	105376	
OBS	22197		21950	6019	23296	2083		6012			

				P	ERCENT	ILES			
MO	MIN	1%	5%	25%	50%	75%	95%	99%	MAX
JAN FEB	998	1007	1010	1012	1014	1015	1018	1021	1034
MAR	998	1005	1008	1011	1012	1014	1016	1019	1027
MAY	999	1007	1009	1011	1013	1014	1016	1018	1026
AUG	1001	1008	1010	1012	1013	1015	1017	1019	1026
SEP	1000	1007	1009	1011	1013	1014	1016	1018	1025
DEC	997	1007	1009	1011	1012	1014	1016	1018	1025

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Carry